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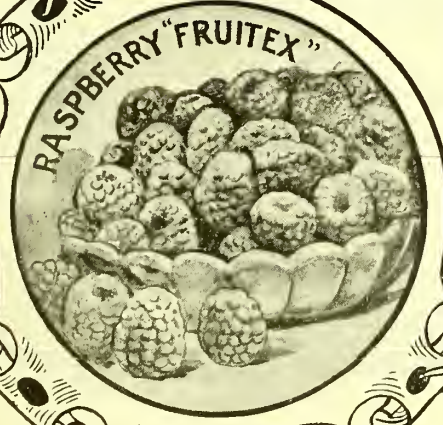

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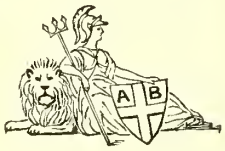

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COPPERSMITHS
Braithwaite, H., & Co.

CORKS
Mitchell, N. W., & Sons, Ltd.

CORN EXTERMINATOR
Gardner

CORN PLASTERS
Solport Bros.

COUNTER ADJUNCTS
Evans Sons Lescher & Webb,Ltd.

COUNTER SPECIALITIES
Allen & Hanburys, Ltd.
British Drug Houses, Ltd., The
Burgoyne, Burbidges & Co.
Hewlett, C. J., & Sons, Ltd.
Wright, Layman & Umney, Ltd.

COURT PLASTER
Pharm. Ind. Ges. Offenbach
Solport Bros.

CREOSOTE
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.

CREPE BANDAGES
Burge, Warren & Ridgley, Ltd.
Gimber, W., & Son
Leslies, Ltd.
Norwich Crêpe Co. (1856), Ltd.
Wood, Vincent

CYANIDES
May & Baker, Ltd.

DAIRY SPECIALITIES
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

DECOCTIONS,&c., CONCENT
Wyleys, Ltd.

DENTAL MECHANICS
Cullwick, H. E.
Fentiman, A. G.
Fentiman, A. J., & Co.
Garthwaite, H.
Halder, E. C.
Wardale, F. C., & Co.

DENTAL TOOLS, ETC.
Plucknett, C. J., & Co, Ltd

DENTIFRICES
Beecham, T.
Bell (John), Hills & Lucas, Ltd.
Blackie, Robert
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E. & Co., Ltd.
Encryl, Ltd.
Jewsbury & Brown
John Strange Winter
Mason Bros. & Chapman
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Parke, Davis & Co.
Reidel, J. D., & Co.
Sangers'
Standard Tablet & Pill Co., Ltd.
Woolley, J., Sons & Co., Ltd.

DEVELOPERS (PHOTO)
Evans Sons Lescher & Webb,Ltd.
Express Developing Co.
Johnson & Sons (Mfg. Chts.)

DEXTRINE
Fink, F., & Co.

DIABETIC FOODS
Van Abbot, G., & Sons

DISINFECTANTS
Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Ellison, Henry, Ltd
Pearson's Antiseptic Co., Ltd.
Sanitas Co., Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd

DISINTEGRATORS
Hardy Patent Pick Co., Ltd.

DRUGGISTS' SUNDRIES
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Bush, H. W., & Co., Ltd.
Christy & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb,Ltd
Hovenden, R., & Sons, Ltd.
Manson, R.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Poths, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers
Schutze, F., & Co., Ltd.
Solport Bros.
Swales, Thomas
Toogood, W., Ltd.
Wattenbach, O.
Woolley, J., Sons & Co., Ltd.

DRUGS, CRUDE
Brook, Parker & Co., Ltd.
Gathergood's Exor.
Goodhall, Backhouse & Co.
Parkinson-Worswick, J.
Potter & Clarke, Ltd.
Ransom, W., & Son
Schmitt & Wildenhayn
Sparks, White & Co., Ltd.

DYEWARES
Clemons, Marshall & Carbert

EAU DE COLOGNE
Bronnley, H., & Co., Ltd.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtnay & Co.
McCracken, J. & R.
Reuter, R. J.
Schutze, F., & Co., Ltd.
Spurway & Cie., Ltd.

EDUCATIONAL INSTITS.
Bath & West of England College
Birmingham & Midland College
College of Preceptors
Elt's College
Glasgow School of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
North of England School
Northern College of Pharmacy
School of Pharmacy
South of England College
Westminster College

EFFERVESCENT PREPS.
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Bristol-Myers Co.
Cupal, Ltd.
Wright, Layman & Umney, Ltd.
Wyleys, Ltd.

ELASTIC HOSIERY
Ayrton, Saunders & Co., Ltd.
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Maw, S., Son & Sons
Surgical Hosiery Co., Ltd.
Wood, Vincent

ELECTRICAL NOVELTIES
Millard Bros., Ltd.
Ward & Goldstone
Wright, Archibald J., Ltd.

EMERY AND CLOTH
Oakey, J., & Son, Ltd.

EMETINE SALTS
Whiffen & Sons, Ltd.

EMULSIFIERS
Bennett, Sons & Shears, Ltd.
Wilkinson, S. W., & Co.

EMULSIONS, C. L. O., &c.
Angier Chemical Co., Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd
Boulton Macro, Ltd.
Burgoyne, Burbidges & Co.
Cupal, Ltd.
Lorimer Marshall, Ltd.
Stevenson, H. E., & Co.

ENEMAS
Burge, Warren & Ridgley, Ltd
Ingram, J. G., & Son
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Warne, W., & Co., Ltd.

ESSENCES, SOL. AND FRUIT
Alliance Drug & Chem. Co.
Barnett & Foster
Boake Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Hay, Wm., Ltd.
London Essence Co.
Newball & Mason
Stevenson & Howell, Ltd.

ESSENCES, CONCRETE
Spurway & Cie., Ltd.

ETHERS
Baiss Bros. & Stevenson, Ltd.
Duncan, Flockhart & Co.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL
British Drug Houses, Ltd., The

EYE BATHS
Sangers

EXTRACT OF HERBS
Newball & Mason
Potter & Clarke, Ltd.

EXTRACTS (MEDICINAL)
Allen, Stafford & Sons, Ltd.
Burroughs, Wellcome & Co.
Evans Sons Lescher & Webb,Ltd
Gathergoods Exor.
Hewlett, C. J., & Son, Ltd.
Parke, Davis & Co.
Ransom, W., & Son

FACTORY, &c., SITES
Great Western Railway
North-Eastern Railway

FILTER PAPER
Burgoyne, Burbidges & Co.

FILTERS
Berkefeld Filter Co., Ltd.

FLYCATCHERS
Alabastine Co. (British), Ltd.
Barraclough, J., & Co.
Smith, Jno. H., & Co.
Strong, Christy
Tunbridge & Wright

FOODS, INVALID, ETC.
Allen & Hanbury's, Ltd.
Aplin & Barrett, Ltd.
Bell (John), Hills & Lucas, Ltd.
Benger's Food, Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Burgoyne, Burbidges & Co.
Cox, Arthur H., & Co., Ltd.
Deans, Logan & Co., Ltd.
Fairchild Bros. & Foster
Horlick's Malted Milk Co.
"Lemco and Oxo"
Lofthouse & Saltmer, Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Sister Lauras Infant Food Co.
Willows, Francis, B. & T.
Woolley, Jas. Sons & Co., Ltd.

FULLER'S EARTH
Mumford, G S., & Sons

FUMIGATORS
Sanitas Co., Ltd.

GLYCERIN
Price's Patent Candle Co., Ltd.

GLYCEROPHOSPHATES
Merck, E.
Pointet & Girard

GREASE REMOVER
Perkin & Co, Ltd.

GRINDERS, DRUG, &c.
Allen, Stafford & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis, B. & T.
Wright, Layman & Umney, Ltd

GRINDERS (MACHINE)
Hardy Patent Pick Co., Ltd.

GUMS
Fink, F., & Co.
Kidston, W. M., & Co.

HAIR DYES
Marker, Stagg & Morgan, Ltd

HAND-CARTS, TRUCKS, &c.
Crewe & Co.

HAIR PREPARATIONS
Alexandre, L.
Blackie, Robert
Edwards' "Harlene" Co.
Harrison, G. W.
John Strange Winter
Nyto Preps., Ltd.
Osborne, Garrett & Co.
Robare's Aureoline
Saunders, J. Tozeau. Ltd.
Van Essen, James & Co., Ltd.

HAT CLEANERS
Christy, Thos., & Co.
Senier, Alf., & Co.

HAT DYES
Whitaker & Co.

HEARING APPARATUS
Stolz Electrophone Co., Ltd.

HEATING APPARATUS
Clark's Syphon Stove Co., Ltd.

HERBS
Brook, Parker & Co., Ltd.
Potter & Clarke, Ltd.
Ransom, W., & Son

HOMŒOPATHIC MEDICINES
Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.

HOT-WATER BOTTLES
Burge, Warren & Ridgley, Ltd.
Dunlop Rubber Co., Ltd.
Fulham Pottery and Cheavin Filter Co., Ltd.
Galen Manfg. Co., Ltd.
North British Rubber Co., Ltd.
Schutze, F., & Co., Ltd.
Tompkins, J., Ltd.
Toogood, William, Ltd.
Wood, Vincent
X. L. Rubber Co.

HOTELS
Kingsley Hotel
Thackeray Hotel

HYDROGEN PEROXIDE
May & Baker, Ltd.
Sanitas Co. Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

ICHTHYOL
Ichthyol Gesellschaft

INHALERS
Oxo Medicated Air Co., Ltd.

INSECTICIDES
Christy, T., & Co.
Nyto Preparations, Ltd.
Tomlinson & Hayward, Ltd.

INSECT POWDER
Danysz Virus, Ltd.
Keating, Thomas

INSTEP SUPPORTS
Pond, H. J.
Scholl Manfg. Co.

JUJUBES
Gnest, Thos., & Co.
Potter & Clarke Ltd.

LANOLINE
Burroughs Wellcome & Co.

LARD
Ewen, J., & Sons

LAVENDER WATER.
Bush, W. J., & Co., Ltd.
Rivers, Hill & Co., Ltd.

LEATHER BLACK
Whitaker & Co.

LECITHIN
Chem. Works "Victoria"
Williams, G. M., & Co.

LETTER FILES
Eeles, Walker & Co.

LIME JUICE AND CORDIAL
Evans Sons Lescher & Webb,Ltd.
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, &c.
Mumford, G. S., & Sons

LINTS
Liverpool Lint Co.
Maw, S., Son & Sons
Robinson & Sons, Ltd.
Taylor, W. G.
Vernon & Co., Ltd.

LIQUORICE JUICE
Apollo
Evans Sons Lescher & Webb,Ltd.
Jackson, E. E.
Mumford, G. S., & Sons
Solazzi

LITHIA SALTS
British Drug Houses, Ltd., The
Macfarlan, J. F., & Co.
May & Baker, Ltd.

LOOFAHS
Internl. Sponge Importers, Ltd.
Solport Bros.
Swales, Thomas

LOZENGES
Ayrton, Saunders & Co., Ltd.
Gnest, Thos., & Co.
Jackson, E. E.
Potter & Clarke, Ltd.
Raimes & Co.
Standard Tablet & Pill Co.,Ltd.
Warrick Bros., Ltd.

MACHINERY, PHARMACAL
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Comet Chemical Co., Ltd.
Gardner, Wm., & Sons, Ltd.
Hardy Patent Pick Co., Ltd.
Lister, R. A., & Co., Ltd.
Findar, J. W., & Co.
Stokes, F. J., Machine Co.
Wilkinson, S. W., & Co.

MAGNESIA AND ITS PREPS.
British Drug Houses, Ltd., The
Corbyn, Stacey & Co., Ltd.
Henry, T. & W.
Howards & Sons, Ltd.
Phillips, Chas. H., Chem. Co.
Washington Chemical Co., Ltd.

MALT EXTRACT & PREPS.
Boulton, Macro, Ltd.
British Diamalt Co., Ltd.
British Drug Houses, Ltd., The
Burroughs Wellcome & Co.
Davies, Sons & Co.
Evans Sons Lescher & Webb,Ltd.
Paine & Co., Ltd

MANICURE CASES
Hovenden, R., & Sons, Ltd.

MARKING INK
John Bond ("Crystal Palace")

MEAT EXTRACTS
Armour & Co., Ltd.
Bovril, Ltd
Brand & Co., Ltd.
"Lemco and Oxo"
Tooth's Extract of Meat Co.

MERCURIALS
Alliance Drug & Chem. Co.
Howards & Sons, Ltd.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

METAL GOODS
Betts & Co., Ltd.
Eley Bros., Ltd.

METHYLATED SPIRIT
Burrough, J., Ltd.
Macnair, A. & Co.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MICROSCOPES
Raphael's, Ltd.

MINERAL WATERS, SALTS
Apollinaris Co., Ltd.
Hughes, E., Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)
Vittel

MIXERS AND SIFTERS
Comet Chemical Co., Ltd.
Gardner, Wm. & Sons (Gloucester), Ltd.

MUSTARD PLASTER
Rueff, Julius

NIGHT-LIGHTS
Prescott & Co.

OINTMENTS
Blackie, Robert
Burgess, E.
Calvert, F. C., & Co.
Cartwright, W. B., Ltd.
Cox, Arthur H, & Co.
Oldfield, Pattinson & Co.
Peat Products (Sphagnol), Ltd.
Smith, Maurice,
Zimmermann, Chas., & Co.

OILS, ESSENTIAL
Allen, Stafford & Sons, Ltd.
Alliance Drug & Chemical Co
Boake, A., Roberts & Co., Ltd
Bush, W. J., & Co., Ltd.
Dodge & Olcott Co.
Evans Sons Lescher & Webb,Ltd
London Essence Co.
Poppelreuter, W.
Ransom, W., & Son
Schimmel & Co.
Spurway & Cie., Ltd.
Stevenson & Howell, Ltd.
Varaldi, F.
Wright, Layman & Umney, Ltd
Zimmermann, Chas., & Co.

OILS, MINERAL, FATTY
Allen, Stafford & Sons, Ltd.
Price's Patent Candle Co.
Schliemann's Oil & Ceresine Co
Stern Sonneborn Oil Co., Ltd.

OLIVE OIL
Goodall, Backhouse & Co.
Sparks, White & Co., Ltd.
Varaldi, F.

OPTICAL GOODS
Anglo-American Optical Co.
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co.,Ltd
Raphael's, Ltd.

OPTICAL TUITION
British Optical Institute, Ltd.
Dioptric Association
Spectacle Makers' Company

ORANGE QUININE WINE
Hobson, Joseph, & Son
Melrose-Drover Co., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.

ORGANOTHERAPY PRODUCTS
British Organotherapy Co., Ltd

OTTO OF ROSE
Spurway & Cie., Ltd.

OTTO OF ROSE (SYNTH.)
Bush, W. J., & Co., Ltd.
Kerfoot, Thos., & Co.
Warrick Bros., Ltd.
Wright, Layman & Umney, Ltd.

PACKED GOODS
Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
Boulton Macro, Ltd.
Brook, Parker & Co., Ltd.
Cartwright, W. B., Ltd.
Cox, Arthur H., & Co., Ltd.
Christy, Thos., & Co.
Cupal, Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb,Ltd
Goodall, Backhouse & Co.
Harker, C. R., Stagg & Morgan
Lofthouse & Saltmer
Lorimer Marshall, Ltd.
May, Roberts & Co., Ltd.
Newball & Mason
Oldfield, Pattinson & Co.
Potter & Clarke, Ltd.
Sangers
Standard Tablet & Pill Co.,Ltd

PALATINOIDS
Oppenheimer, Son & Co., Ltd.

PAPER HANDKERCHIEFS
Powell, J. T., & Co.

PASTILLES
Allen & Hanbury's, Ltd.
Asche, C. F., & Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb,Ltd
Kerfoot, Thomas, & Co.
Taverner & Sons, Ltd.
Valda Pastilles
Warrick Bros., Ltd.

PATENT AGENTS
Barker, R. W.
Newnham, Browne & Co.

PERFUME MATERIALS
Boehringer, C. F., & Soehne
Bush, W. J., & Co., Ltd.
Kerfoot, T., & Co.
Naef, M., & Co., Succrs.
Schimmel & Co.
Schwarz, A. W.
Varaldi, F.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

PEPPERMINT OIL
Bing, M. & A. C.
Bush, W. J., & Co, Ltd
Dodge & Olcott Co.

PERFUMES
Allen & Hanburys, Ltd.
Raiss Bros. & Stevenson, Ltd.
Barnetts Perfumery, Ltd.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Evans Sons Lescher & Webb,Ltd
Gambles, J. C., & Co.
John Strange Winter
Kerfoot, T., & Co.
Lescol Perfumery Co.
McCracken, J. & R.
Prichard & Constance, Ltd.
Quelch, H. C., & Co.
Rivers, Hill & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Spurway & Cie., Ltd.
Vinolia Co., Ltd.
Warrick Bros., Ltd.
West, T., & Son
Wolff, F., & Sohn

PESSARIES (SOLUBLE)
Burge, Warren & Ridgley, Ltd.
Rendell, W. J.

PETROLEUM EMULSION
Angier Chemical Co., Ltd.

PETROLEUM JELLY
Chesebrough Manfg. Co.
Gardner & Andrew
Schliemann's Oil & Ceresine Co.
Stern, Sonneborn Oil Co., Ltd.

PHOSPHORUS AND PREPS.
May & Baker, Ltd.

PHOTO. CHEMICALS
Boehringer, C. F., & Soehne
Johnson & Sons (Mfg.Chts.),Ltd

PHOTO. GOODS
Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher &Webb,Ltd
Express Developing Co.
Ilford Ltd.
Kent, G. B., & Sons, Ltd.
Lennon, Ltd.
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Rajar, Ltd.

PHOTO. POSTCARDS, ETC.
Rajar, Ltd.

PILL MAKERS
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Standard Tablet & Pill Co., Ltd.

PLASTERS
Alloock Manfg Co.
Berliner, Arthur
Dalmas, A. de St., & Co.
Galen Mnfg. Co., Ltd.
Leslies, Ltd.

PLATE POWDER
Lees, A., & Co.

PLEATED PAPER
Darter, Wilkinson & Co.
Smith Bros. & Co.

POLISHES (VARIOUS)
Bradley & Bourdas
Oakey, J., & Sons, Ltd.

POSTAL BOXES
Eeles, Walker & Co.
Robinson & Sons, Ltd.

POWDER PAPER
Prichard & Constance, Ltd.

PRESS CUTTINGS
Central News

PRINTERS
Clyde Press
Ford, Shapland & Co.
Harrison & Waide
Suttley & Silverlock, Ltd.
Townsend, J., & Sons

PRINTING PRESS
Excelsior Printers' Supply Co.
Paragon Press Co.

PROPRIETARY ARTICLES
Angier Chemical Co., Ltd.
Anglo-American Pharm. Co.
Anglo-Indian Drug & Chem. Co.

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Arnfield, J. C., & Sons, Ltd.
Ashton & Parsons, Ltd.
Barclay & Sons, Ltd.
Beecham, T.
Bow's Liniment, Ltd.
British Drug Houses, Ltd., The
Burgess, E.
Carnrick, G. W., Co.
Chameleon Oil Co., Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Corbyn, Stacey & Co., Ltd.
Crimson Cross Dispensary
Cupal, Ltd.
Cyona Co., Ltd.
Daisy, Ltd.
Davenport, J. T., Ltd.
Demuth, R.
Duncan, Flockhart & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb,Ltd
Faulding, F. H., & Co.
Fellows' Med. Manfg. Co.
Fennings, Alfred
Ferris & Co., Ltd.
Fox & Co. (Liverpool), Ltd.
Freeman's Chlorodyne, Ltd.
Fulford, C. E., Ltd.
Gambles, J. C., & Co.
Goodall, Backhouse & Co.
Harrison, Geo. W.
Henry, T. & W.
Hommel's (Dr.), Hæmatogen
Hughes, E. Griffiths
Ichthyol Gesellschaft
International Laboratories
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
"Lemco and Oxo"
Martindale, W.
May, Roberts & Co., Ltd.
Mergentheim Tablets
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Phillips, Chas. H., Chem. Co.
Pinex Co., Ltd.
Poultogen Co.
Primer, J.
Resinol Chemical Co.
Richter, C., & Co.
Riedel, J. D., Co.
Rubenstein, Madame H.
Rubwel Co.
Sangers'
Sargol, Ltd.
Schimmel & Co.
Scott & Bowne, Ltd.
Squire & Sons
Standard Tablet & Pill Co., Ltd.
Thermogene Co., Ltd.
Thompson & Capper
Tunbridge & Wright
Valda Pastilles
Wait-and-See Proprietary
Warrick Brothers, Ltd.
White, A. J., Ltd.
Wilcox, Joseau, & Co.
Woodward, W., Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

PUFFS
Solport Bros.

PUMPS
Berkefeld Filter Co., Ltd.

QUININE AND SALTS
Alliance Drug & Chem. Co.
Boehringer, C. F., & Soehne
Buchler & Co.
Corbyn, Stacey & Co., Ltd.
Howards & Sons, Ltd.
Pointet & Girard

RADIO-ACTIVE MINERALS
Harrington Bros., Ltd.

RADIUM
Buchler & Co.

RAZOR STROPPER
Barclay & Sons, Ltd.

RENNET
Fullwood & Bland
Oldfield, Pattinson & Co.

RESINS AND RESINOIDS
Allen, S., & Sons, Ltd.
Macfarlan, J. F., & Co.
Ransom, W., & Son
Smith, T. & H., Ltd.

RESPIRATORS
Zimmer & Co.

RUBBER GOODS
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H., Ltd.
Ingram, J. G., & Son
Maw, S., Son & Sons
Surgical Hosiery Co. Ltd.
Tompkins, James, Ltd.
Warne, W., & Co., Ltd.
X. L. Rubber Co.

RUBBER STAMPS
Richford, C. D.

SACCHARIN
Saccharin Corporation, Ltd.

SAMPLE CASES
Keane, Thomas

SANTONIN
Smith, B. A., & Co.

SAPONIN
Field, C. W.

SCIENTIFIC APPARATUS
Reynolds & Branson, Ltd.
Perken, Son & Co., Ltd.

SEA SALT
Tidman & Son, Ltd.

SEED-DRESSING
Hawker, Arthur E.
Tomlinson & Hayward, Ltd.

SERUMS AND ANTITOXINS
Allen & Hanburys, Ltd.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb,Ltd
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Joseau, & Co.

SHARES
McAdam & Tuckniss

SHEEP DIPS
Burt, Boulton & Haywood

SHEEP MEDICINES
Pettifer, Stephen, & Sons

SHELLAC
Kershaw, H. B., Ltd.

SHOP FITTING
Ayrton-Graham Ltd.
Cook, George
Evans Sons Lescher & Webb,Ltd
Grant, D.
Josephs, Philip, & Sons, Ltd.
Maw, S., Son & Sons
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'

SHOW STANDS
London and Colonial Manfg. Co.

SOAPS, TOILET, &c.
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Bell, John Hills & Lucas, Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. C., & Co.
Chesebrough Manfg. Co.
Christy, Thos., & Co.
Cook, E., & Co., Ltd.
Eucryl, Ltd.
Evans Sons Lescher & Webb,Ltd
Fulford, C. E., Ltd.
Gibbs, D. & W., Ltd.
Harrison, G. W.
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lescol Perfumery Co.
Olival Anglo-Spanish Soap Co.
Pears, A. & F., Ltd.
Peat Products (Sphagnol), Ltd.
Price's Patent Candle Co.
Resinol Chemical Co.
Wolff, F., & Sohn
Wright, Layman & Umney, Ltd.

SHOULDER STRAPS
Wood, Vincent

SODA FOUNTAINS
Flugel & Co.

SODIUM BICARBONATE
Brunner, Mond & Co., Ltd.
Electrolytic Alkali Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S., & Sons

SOOTHERS
Newbery, F., & Sons, Ltd.
Schutze, F., & Co., Ltd.
Woolf, Lewis

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Gunther Opt. Co.,Ltd
Raphael's, Ltd.

SPICES
Goodall, Backhouse & Co.

SPIRIT OF WINE
Burrough, J., Ltd.
Preston's Liverpool Distillery Co., Ltd.

SPONGES
Internl. Sponge Importers, Ltd.

SPRAYS
Burge, Warren & Ridgley, Ltd
Hovenden, R., & Sons, Ltd.
Maw, S., Son & Sons
Parke, Davis & Co.
Sangers
Toogood, Wm., Ltd.

SPRINKLER CORKS
Betts & Co., Ltd.

SPRUCE BEER
Hobson, Joseph, & Son

STARCH
Mumford, G. S., & Sons

STILLS
Bennett, Sons & Shears, Ltd.
Brown & Son (Automatic)
Stokes, F. J., Machine Co.

STOPPERS
Stipendum Stopper Co.

SUPPOSITORIES
Peat Products (Sphagnol), Ltd

SURGICAL APPLIANCES AND DRESSINGS
Allen & Hanbury's, Ltd.
Bailey, W. H., & Son, Ltd.
Berliner, Arthur
Burroughs Wellcome & Co.
Bush, H. W., & Co., Ltd.
Dalmas, A. de St., & Co.
Davis, John Morgan, & Sons
Galen Manfg. Co., Ltd.
Gimber, W., & Son
Haynes, G., & Co.
Haywood, J. H., Ltd.
Liverpool Lint Co.
Macfarlan, J. F., & Co.
Martindale, W.
Mason Bros. & Chapman
Maw, S., Son & Sons
Quelch, H. C., & Co.
Reynolds & Branson, Ltd.
Robinson & Sons, Ltd.
Surgical Hosiery Co., Ltd.
Taylor, W. G.
Warne, W., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

SWIMMING FLOATS
May, Roberts & Co., Ltd.
Schutze, F., & Co., Ltd.

SYPHONS
Barnett & Foster
Camwal, Ltd.
Idris & Co., Ltd.
Sharman's Pat. Syphon Co., Ltd

SYRINGES
Bush, H. W., & Co., Ltd.

SYRUPS, MEDICINAL
Fellows' Med. Mnfg. Co.

TABLE WATERS
Burrow, W. & J.

TABLET MACHINERY
Allen & Hanburys, Ltd.
Bennett, Sons & Shears, Ltd.
Thompson & Capper
Wilkinson, S. W., & Co.

TABLETS, COMPRESSED
Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd
British Drug Houses, Ltd., The
Cartwright, W. B., Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan Flockhart & Co.
Evans Sons Lescher & Webb,Ltd
Howards & Sons, Ltd.
Johnson & Sons (Mfg. Chts.)
Martindale, W.
Parke, Davis & Co.
Standard Tablet & Pill Co., Ltd
Thompson & Capper
Wand Manfg. Co.
Wigglesworth & Co.

TABLOID" PRODUCTS
Burroughs Wellcome & Co.

TARTARIC ACID
British Drug Houses, Ltd., The
Boehringer, C. H., Sohn

TEA (TANNIN-LESS)
Sumnor's Typhoo Tea, Ltd.

TEATS (I.R.)
Ingram, J. G., & Son

TIN BOX MAKERS
Goodall, Backhouse & Co.
Huntley, Boorne & Stevens
Shirley Bros., Ltd.

TINCTURE PRESS
Lister, R. A., & Co., Ltd.

TOBACCO
Singleton & Cole, Ltd.

TOILET ARTICLES
Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Ayrton, Saunders & Co., Ltd.

TOILET ARTICLES—*cont.*
Beetham, M., & Son
Blackie, Robert
Bronnley, H., & Co., Ltd.
Burroughs Wellcome & Co.
Chesebrough Mnfg. Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Cox, Arthur H., & Co., Ltd.
Daisy Ltd.
Edwards' Harlene Co.
Enoryl, Ltd.
Fulford, C. E., Ltd.
Gambles, J. C., & Co.
Gibbs, D. & W., Ltd.
Harker, Stagg & Morgan, Ltd.
Hovenden, R., & Sons, Ltd.
John Strange Winter
Lloyd, A., & Co.
Lloyd, A. S. (Hovenden)
Lorimer Marshall, Ltd.
Maw, S., Son & Sons
May, Roberts & Co., Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Osborne, Garrett & Co.
Papier Poudré, Ltd
Parke, Davis & Co.
Prichard & Constance, Ltd.
Oneich, H. C., & Co.
Rubinstein, Madame H.
Sangers'
Saunders, J. Toxeau, Ltd.
Softo Manfg. Co.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Standard Tablet & Pill Co., Ltd
To-Kalon Mnfg. Co., Ltd.
Van Essen, James, & Co., Ltd.
Vinolia Co., Ltd.
Wholesale Chemical Works
Woolley, J., Sons & Co., Ltd.

TOILET PAPER
Ayrton, Saunders & Co., Ltd.
Burgoyne, Burbidges & Co.
Ford, Shapland & Co.
Townsend, J., & Sons

TOOTH STOPPING
Stevens, P. A.

TRADE-MARKS AGENTS
Barker, R. W.
Ford, Shapland & Co.
Newnham, Browne & Co.

TURNED WOOD BOXES
Rogers & Co.

TRUSSES
Bailey, W. H., & Son, Ltd.
Coles, William, & Co
Davis, John Morgan, & Sons
Haywood, J. H., Ltd
Maw, S., Son & Sons
Schutze, F., & Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co., Ltd.

VACUUM FLASKS
Millard Bros., Ltd
Reuter, R. J.

VACUUM PANS
Bennett, Sons & Shears, Ltd.
Stokes, F. J., Machine Co.

VALUERS
Baker, P. O.
Berdoe & Fish
Brett & Co.
Orridge & Co.
Tomlinson, T., & Son

VAPORIZERS
Evans Sons Lescher & Webb,Ltd
Sanitas Co., Ltd.

VASELINE
Chesebrough Mnfg. Co.

VERMIN-KILLERS
Dansys Virus, Ltd
Evans Sons Lescher & Webb,Ltd
Farmer, F., & Co.
Harley, Thomas
Harrison, G. W.

VETERINARY INSTRUMENTS
Mason Bros. & Chapman
Maw, S., Son & Sons

VINEGAR
Grimble & Co.

VETERINARY REMEDIES
Chesebrough Mnfg. Co.
Christy, Thos., & Co.
Day & Sons (Crewe), Ltd.
Edwards, W., & Son
Harvey & Co. (Dublin), Ltd.
Pettifer, Stephen, & Sons
Senier, Alf., & Co.
Tomlinson & Hayward, Ltd.
Wyleys, Ltd.
Zimmermann, C., & Co.

WATER STILLS
Stokes, F. J., Machine Co

WATERS, CONCENTRATED
Robinson, B., & Co., Ltd.

WAXES
Kidston, W. M., & Co.
Schliemann's Oil & Ceresine

WEED-KILLERS
Burt, Boulton & Haywood
Harrison, G. W.
Tomlinson & Hayward, Ltd.

WEIGHING MACHINES
Maw, S., Son & Sons

WINDOW BRACKETS
Ayrton-Graham, Ltd.

WINDOW TICKETS
Merten, F., & Co.

WINES
Burrough, J., Ltd.
Smith, S., & Co., Ltd.

WINES, MEDICATED
Ayrton, Saunders & Co., Ltd
Burrough, J., Ltd.
Burroughs Wellcome & Co.
Coleman & Co., Ltd.
Deans, Logan & Co., Ltd.
Fletcher, Fletcher & Co.
Hobson, Joseph, & Son
Idris & Co., Ltd.
Robinson, B., & Co., Ltd.
Smith, S., & Co., Ltd.

WRIST STRAPS
Solport Bros.

ZINC OXIDE
Hubbuck, T., & Son, Ltd.
Stevenson, H. E., & Co.

REGISTERED "IALINE" REGISTERED

ANTISEPTIC OINTMENT

FOR THE
TREATMENT OF

WOUNDS, BURNS, SORES,
ERUPTIONS, SKIN DISEASES, &c.

PACKED IN **WHITE JARS** WITH **RED CAPS.**
TWO SIZES—7½d. & 1/1½ EACH RETAIL.
ATTRACTIVE SHOWCARDS FREE (size 9½ in. by 6½ in.).
WHOLESALE PRICES ON APPLICATION.
ALSO SPECIAL TRADE QUOTATIONS FOR ALL KINDS OF

DISINFECTANTS.

BURT, BOULTON & HAYWOOD, LTD., 64 Cannon St., London, E.C.

A SAFE AND CERTAIN APERIENT

is always welcome to Doctors, Chemists, and Patients. That is why "Regulin" is so popular.

P.A.T.A. RETAIL PRICES:

Scales 1 oz. pkt. 1/-; 3 oz. pkt. 2/6; 6 oz. pkt. 4/3.

Tablets, One glass cylinder of 25 tablets 1/-.

Biscuits, containing a larger percentage of Regulin than the tablets, 1/6 per box.

Export, Ireland, Isle of Man, and Channel Islands, above prices less Patent Med. Stamp.

This is a view of our Stand at the London Medical Exhibition.

"Regulin," the patented combination of agar-agar and cascara sagrada, prepared by special process, is shown in scale, tablet and biscuit form by the REGULIN SYNDICATE, LTD. The last-named is new and is designed for use by invalids and children.

The Chemist & Druggist.

The Regulin Syndicate, Limited, present "Regulin," a natural vegetable product, designed, as its name is intended to demonstrate, for the regulation of bowel complaints arising from constipation. It passes through the bowels unchanged, the therapeutic action being dependent on its property of softening and loosening the fæces and in preventing their contraction into indurated masses. Of itself it has not any cathartic action, and hence does not constipate after use; it is a laxative agent, promoting evacuation of the bowels easily, readily and mechanically. Actually "Regulin" is an ingenious combination of agar-agar with an aqueous extract of cascara sagrada. Owing to the absence of resinious material in the cascara extract any possibility of pathological irritation is avoided, even if very large doses are taken. Summed up, the peculiar advantages of "Regulin" are promptness in action, no diminution of efficacy (a drawback with so many aperients), it does not cause nausea nor overtax the stomach on constant use. The small proportion of cascara present is designed to stimulate the ejection of the fæces softened by the agar-agar. It is put up in two styles, in boxes and glass cylinders, the latter containing 25 tablets. These tablets are not unpleasant to the taste, an advantage which will be readily recognised.

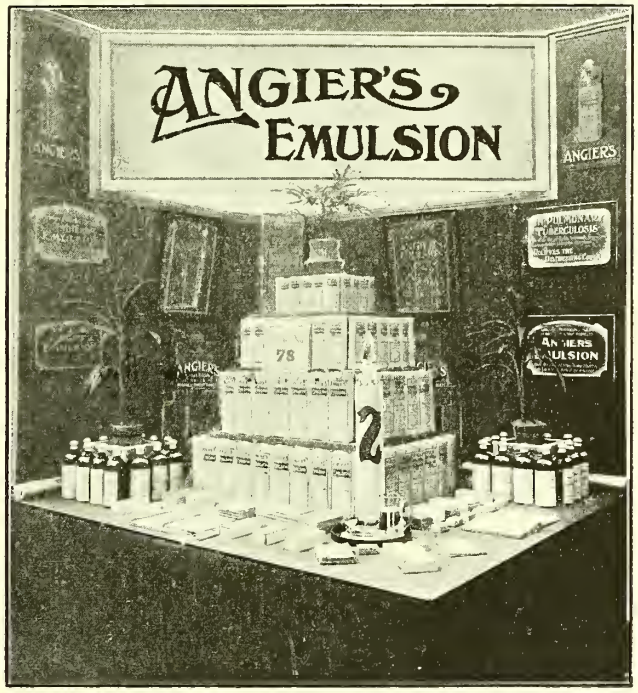
The British & Colonial Druggist.

THE REGULIN SYNDICATE LTD., 15 CULLUM STREET, LONDON, E.C.

Petroleum in Therapeutics

and its most refined administration, as demonstrated at the Medical Exhibition last week, is described below.

The Angier Chemical Company, Limited.—Angier's Emulsion, or petroleum with hypophosphites, long known and esteemed throughout the land, is, of course, at the Exhibition, in consonance with the firm's policy of keeping the product well before medical men. There is a large jar of this famous product in the centre of the stand, and it looks so cream-like that there is no wonder that the average patient shows avidity for it. The hypophosphites are those of calcium and sodium particularly, and the



emulsion has the great advantage over some others that it has no objectionable taste, being, in fact, somewhat sweet to the palate through the use of glycerine in its preparation. There is no flavouring matter added at all, and it is easily retained by the stomach. Under the microscope the globules are seen to be so evenly subdivided, that the firm claim that it resembles Nature's emulsion—milk. That no germ can live in petroleum is a feature which is being demonstrated. Angier's Emulsion is now used by many doctors in intestinal cases, for lubrication of the colon, as it promotes a healthy action of the bowels, both in diarrhœa and constipation cases. The oil, we should add, before emulsifying is a specially refined one.

Also shown are Angier's Throat Tablets, recommended to be used for throat irritation in conjunction with the emulsion.

Angier Chemical Co., Ltd.,
86 Clerkenwell Road, London, E.C.

CADBURY'S COSY CORNER

At the London Medical Exhibition

A PRESS DESCRIPTION

Cadbury Brothers, Limited, have an exhibit that well repays a visit. How few people there are who know how a cup of cocoa should really be made! Here the simple and expeditious process is demonstrated by experts. A mixture of one part of milk with two parts of water is brought to the boil, then one dessertspoonful of Bournville Cocoa with the desired quantity of sugar is put into a jug and the boiling milk and water is poured upon it and mixed with it by means of an ordinary kitchen whisk, not by means of a spoon. The use of a whisk ensures thorough admixture, and with cocoa properly mixed there should be no sediment whatever. Cocoa made in the above way with Bournville Cocoa is a most pleasing and healthful beverage. The works of Messrs. Cadbury Brothers, where over 6,000 workers are employed, are known as "the factory in a garden," and the conditions of manufacture are all that can be desired, the health and general interests of those employed being well looked after. The manufacture of cocoa is also illustrated. First of all the cocoa bean itself is shown, then the bean crushed and without its shell, which has been winnowed away by an electric fan, then the cocoa butter removed from the cocoa bean after further crushing under granite rollers, and, finally, the Bournville Cocoa itself as it is known and used all over the world. Cocoa properly made is one of our most pleasant and healthful beverages, and Bournville Cocoa especially may be recommended with confidence by doctors, for here we have cocoa at its very best and prepared under ideal conditions by a world-famed firm.

The British and Colonial Druggist.

CADBURY BROS., LTD., Bournville.

Pharmaceuticals & Foods

Our Stand at the Medical Exhibition

PRESS COMMENTS

James Woolley, Sons & Co., Ltd., give pride of place to their new super-malted food and to "Valkasa" tonic nerve food. Solutio sodæ phenatis is an old favourite also well to the fore. Jecovol, ergoval, boval trusses, and aseptic sprays are other noteworthy products displayed.—*The Chemist and Druggist*

James Woolley, Sons & Co., Limited.—This important Manchester firm have a fine display of bigh-class pharmacentical products and surgical sundries and appliances. The exhibit is one that is attracting considerable attention from the professional visitor, and the following specialties are worthy of especial notice:—Jecovol is an egg emulsion of cod liver oil (50 per cent.), with 6 grs. of glycerophosphates to the ounce, and is prepared with the yolks of fresh eggs. It is a stable and palatable preparation. "Valkasa," a new tonic nerve food, is a combination of soluhl e milk casein with glycerophosphates containing phosphorus in an organic and easily assimilable form. It retails in 2 and 8 oz. tins at 1s. and 3s. Woolley's Solutio Sodæ Phenatis is a well-known preparation, much used by dentists for allaying pain and tenderness of gums after extraction. The Sanitary Rose Powder is still in much demand. It is a valuable antiseptic dusting powder, prepared with boric acid for nursery and toilet use, and as a deodoriser in offensive perspiration. Ergoval is a physiologically standardised fluid ergot, prepared by special process and thoroughly reliable. Unguentum Resorcin Co. is a specialty of the firm, and its sale is very large; it is of extraordinary value in various forms of eczema, pruritius, &c. Lotio Resorcin Co. is an elegant preparation, as is also Lotio Calaminæ. The latter is especially attractive in appearance. The milk food for infants and the milk and malted food are standard products of the firm, and now there has been added the super-malted food. This is very rich in diastase, which being in excess, completely converts all the starch in the infant's food before it is given. It is put up in 1s. tins. Particular attention is drawn to the Boval patent adjustable trusses, which seem to be a distinct improvement on previous patterns. The special feature is the combination of a suitahle spring with a separate pad, adjustable in every direction as well as in length, thus ensuring perfect fit and comfort. They are supplied in various qualities as low as 2s. 6d. There is na effective display of aseptic sprays, unique in action, and affording an unusually fine cloud of spray; they use up till almost the last drop, and are suitable for heavy as well as light fluid. The Victoria obstetric bag should attract the attention of the surgeon; its chief feature is an extremely portable steriliser contained in a separate portion of the bag. It is fitted with the usual loops and bottles, and compactly made with stout cowhide. The firm have a very large business in first-aid and life-saving appliances, and show a selection of accident emergency cases for every possible requirement. Messrs. Vallance and Howard are in charge of the exhibit.—
The British and Colonial Druggist.

JAMES WOOLLEY, SONS & CO., LTD., Manchester.

WHY THERE IS SUCH AN EXTRAORDINARY SALE OF PARMINT

An article every chemist should read.

Another week has gone by, and again the sales on "PARMINT" have been doubled, in fact, the INTERNATIONAL LABORATORIES say that they were only able to meet the large demand of the past week by running their Laboratory night and day.

Their travellers report that nine out of every ten chemists have already stocked "PARMINT," and that it is giving universal satisfaction to the trade.

The great demand which has already been created by their extensive advertising has encouraged them to increase their advertising appropriation, and from now on all through the Winter months, the daily papers have instructions to carry their advertisements five out of every six days, while the Sunday and Weekly papers are to carry them every issue. This is without doubt the largest advertising campaign that has ever been conducted on a Cough and Lung Tonic, and shows the great confidence the Proprietors have in their preparation.

During the past year "PARMINT" has been advertised more extensively than any other preparation of its kind on the market. Even during the Summer months it was advertised consistently, and this in itself proves that "PARMINT" is what its advertising claims it to be.

If an article is not as good as its maker's claim, it cannot be advertised profitably only until its true character becomes known and the supply of new users exhausted.

To make advertising pay for a term of years the product must have the merit promised by the advertising, so as to hold those who try it. "PARMINT" advertising from the first has been conducted so as to inspire confidence in the purchase, no rash promises or false claims have ever been made, what promises have been made, "PARMINT" has fulfilled them ALWAYS.

Their advertising is designed so as to appeal only to those who are in the habit of making their own cough medicine at home, therefore a new clientele is being brought to the chemist's counters and one which does not interfere with the sale of the chemist's own products.

People who try "PARMINT" get what they expect, and therefore they continue to use it; that is why the manufacturers have the faith to back the courage of their convictions with an advertising campaign which has never been equalled.

"PARMINT" is on the P.A.T.A. List, and the price to the retailers is 24/- per dozen, advertised price is 2/6 per bottle.

INTERNATIONAL LABORATORIES,
62 Oxford Street, London, W.

FREEMAN'S

ORIGINAL

CHLORODYNE

For tropical disorders, such as Diarrhœa, Cholera, and Dysentery, Freeman's Chlorodyne has been proved to be the most useful preparation known. It carries the testimony of eminent doctors and the gratitude of countless thousands of users in every quarter of the world. And it is well advertised. SPECIFY FREEMAN'S when ordering Chlorodyne supplies, and reap the advantage in bigger and more profitable business.

Lowest export prices on request. Prices for Home trade, **9/3**, **24/-** and **40/-** per doz. Usually retailed at **1/1½**, **2/9** and **4/6** per bottle.

NOTE.—The new method of sealing the bottles of Freeman's Chlorodyne for export entirely prevents evaporation.

Pictorial show-cards and advertising literature sent to any part of the world upon request.

Freeman's Chlorodyne, Ltd.
London, S.E., ENGLAND.

[redacted] 6

AWARD, LONDON, 1881,
For "EXCELLENCE OF QUALITY."

KEEN BUYERS

LOOKING

FOR BEST VALUE

IN

PARRISH'S SYRUP

COD LIVER OIL

EMULSION

and similar products, Spot or Forward delivery—in Bulk or Bottle—should apply to

H. E. Stevenson & Co.

WHOLESALE EXPORT DRUGGISTS and MANUFACTURING CHEMISTS,

122 Great Suffolk Street, London, S.E.

For many years a Director of Baiss Brothers & Stevenson, Ltd.

Telephone No.: 1831 HOP.

Telegraphic Address: EKLIPS LONDON."

Krüschen Salts

The demand this year for Krüschen Salts bids fair to eclipse the record established last year; almost daily the popularity of this famous home remedy is extended. As a diuretic aperient; a solvent of uric acid; and a natural tonic comprised, as Liebig, the German analyst declared, of seven essentials to health, Krüschen Salts has won the good opinion and advocacy of innumerable doctors for its general efficacy and reliability in the home treatment of Constipation, Liver and Kidney troubles, Gout and Rheumatism. Chemists and Druggists who would be "with the times" should bear these facts in mind when ordering stock.

Wholesale price, per dozen bottles, **13/6.** (P.A.T.A. Conditions.)
Retail Price, **1/6** per bottle.

E. Griffiths Hughes (Krüschen), Ltd.,

68 Deansgate Arcade, MANCHESTER.

Reduced facsimile.

Were YOU caught without Pinex ?

The Quick-Selling Cough Remedy

Pinex

The Quick-Selling Cough Remedy

Advertising now started. Wholesalers already sending repeat orders. Are **YOU** able to meet the demand ? We guarantee the Sales. Unsold Bottles returnable at any time.

"PINEX" is a preparation compounded by a Pharmaceutical Chemist to take the place of a thousand and one home-made Cough remedies which are of little value in themselves, and of still less value to the Chemist.

Instead of coming to your counter for two pennyworth of this and another pennyworth of that, customers will now come and ask for a 2½ oz. bottle of "Pinex," which costs them 2/9, and leaves the Chemist a profit worth having.

It's better business for you, and a more satisfactory purchase for them.

They'll still make their Cough Mixture at home, using "Pinex" and simple sugar syrup; but it will be a mixture that will cure, that you can GUARANTEE will cure. And we stand behind such guarantee.

"Pinex" won't injure your trade in ordinary cough mixtures; it will create *new* trade for you and bring *new* customers to your counter. People who won't buy ordinary cough mixtures *will* buy "Pinex,"—and the Sales repeat.

"Pinex" Advertising has already commenced. Long series of insertions have been ordered in the leading newspapers of the country. The demand will be great and continuous.

Don't lose any sales; don't let *your* customers find it necessary to go elsewhere for "Pinex." Order a supply AT ONCE from your wholesaler, even if it be only ¼ dozen. You CAN'T MAKE A LOSS. We guarantee the sales. Unsold bottles returnable at any time.

We also guarantee "Pinex" to your Customers—money back IN FULL if not satisfied, WITHOUT TOUCHING THE PROFIT YOU HAVE EARNED ON THE SALE.

TERMS:—Advertised Price 2/9 per bottle. Minimum Retail Price, 2/6 per bottle. Price to you 24/- per doz.

PINEX IS ON THE P.A.T.A. LIST.

THE PINEX CO., LTD., 36/38 Upper Thames St., London, E.C.

Telegrams: "Pinexine, Cent., London." *Telephone: 2208 City.*

SCIENTIA B&B Co. DILIGENTIA

BURGOYNE, BURBIDGES & CO.'S

STANDARD COUNTER REQUISITES

FOR

AUTUMN AND WINTER DEMAND.

LUNG TONIC. ASTHMA POWDER.

BALL-ROOM FLOOR POLISH.

CHILLIE PASTE. PINE PELLETS.

WILD CHERRY LINCTUS.

PECTORAL LINSEED BALSAM.

WE PACK THE ABOVE TASTEFULLY AND AT PRICES WHICH PERMIT OF A SUBSTANTIAL PROFIT. SAMPLES AND PRICES OF THESE AND OTHER "COUNTER REQUISITES" ARE AT YOUR DISPOSAL.

COLEMAN STREET, LONDON, E.C.

Telegrams: "CYRIAX, AVE, LONDON."

Telephones: 3254 LONDON WALL (Four Lines).

Registered

TRY IT IN YOUR BATH

SCRUBB'S AMMONIA

BY APPOINTMENT TO H.M. THE KING.

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath.
Splendid Cleansing Preparation for the Hair.
Allays the Irritation caused by Mosquito Bites.
Restores the Colour to Carpets.
Invaluable for Toilet Purposes.
Removes Stains and Grease Spots from Clothing.
Invigorating in Hot Climates.
Cleans Plate and Jewellery.
Softens Hard Water.

Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

IN PREPARATION.

Messrs. KAY BROTHERS, Ltd., going to press with their popular Annual, the

"FAMILY REFERENCE AND FIRST AID BOOK,"

revised and added to, containing 26 pages of interesting and useful reference matter, cover printed in colours; also

COUNTER BILLS

in two sizes, 11 in. × 9 in. and 6 in. × 7½ in. The larger size is specially adapted for Counter use and wrapping of 6 to 8 oz. bottles. The paper is of best quality, smooth, plainly printed *on one side only*, with large margin, and carefully cut.

Supplies of above are now being booked for winter delivery.

GRATIS, CARRIAGE PAID, PRINTED WITH NAME AND ADDRESS,

for chemists forwarding *two slip labels* and undertaking careful distribution. Population of district should be given and in the case of the Almanacks house to house distribution should be promised.

Write at once, as applications are dealt with in rotation, and the edition is limited. Address Advertisement Department.

"LINSEED COMPOUND"

40 Years' Proven Efficacy For COUGHS and COLDS.

Sole Proprietors and Manufacturers—

KAY BROTHERS, LTD., Stockport.

ALMANACKS

FOR

1913.

SEND FOR SAMPLES.

JAMES TOWNSEND & SONS,

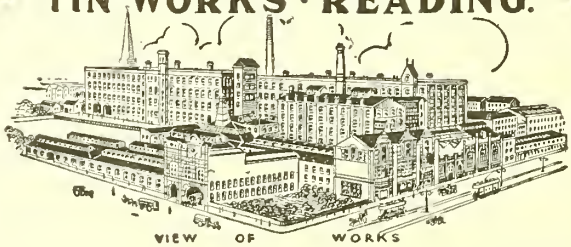
Chemists' Printers,

EXETER AND LONDON.

HUNTLEY, BOORNE & STEVENS, LTD

TIN WORKS · READING.

COLOR PRINTERS ON TIN



VIEW OF WORKS

MAKERS OF HIGH-CLASS DECORATED & PLAIN TIN BOXES & SPECIALITIES FOR CHEMISTS

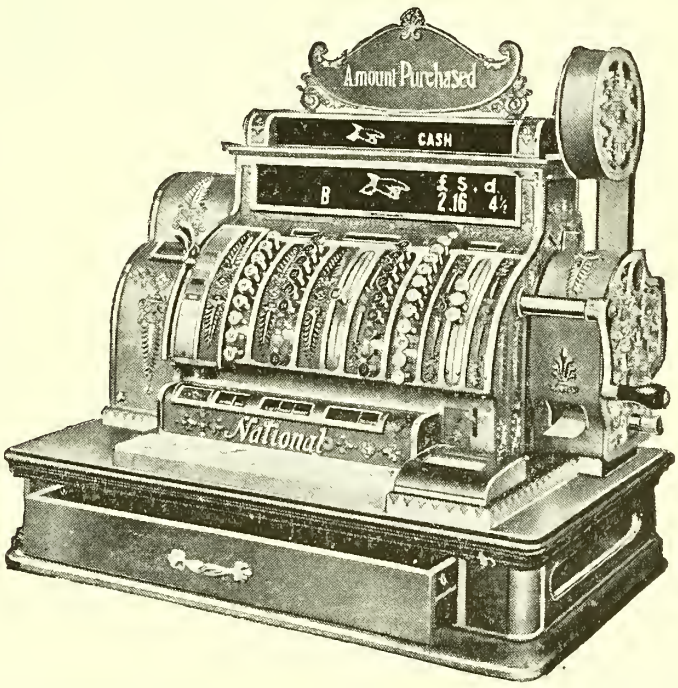
QUOTATIONS TO SAMPLES OR DESCRIPTIONS

CORRESPONDENCE INVITED.

TELEGRAMS "TINWORKS READING" NATIONAL TELEPHONE

The Plain Fact

If you are not using a National Cash Register in your business it is because you do not know what it will do for you.



Surely the information it provides will benefit you as it has 1,125,000 other traders, who did **not invest** before investigating the merits of these wonderful machines.

A well-known writer places the Cash Register as one of the seven modern wonders of the world—why—because it is a clever mechanical device which **benefits everyone**—

Shopkeepers, Assistants, Cashiers,
Customers, Servants and Children.

It is a practical business necessity and a money saver. It will do as much for you as it has for others.

Let us tell you **now** how a National will help **you.**

Easy Terms of Payment if desired.

The National Cash Register Co., Ltd.,
225 Tottenham Court Road, W.

Telephone : City 7155 (4 lines).
Telegrams : "Nacareco, Ox, London."

Cut out or copy.

COUPON Oct. 12.

The N.C.R. Co., Ltd.,
225 Tottenham Court Road, London, W.
I would like to investigate the claims of "Nationals."
This does not commit me to any obligation to purchase.

Name

Address

Chemist & Druggist.

A POWERFUL NERVE AND BRAIN FOOD

VISEM
(Seed of Strength)

VISEM consists of milk casein and whey powder, with 3% of pure lecithin-ovo and 3% of glycerophosphate of soda. The casein used is made from milk produced on some of the finest pastures in the Kingdom, by a special process which yields a pleasant flavour, and retains the proteins in a soluble state. It is also rich in soluble organic phosphorus.

VISEM is made up in the form of tablets, which are eaten like biscuits. These tablets can be taken at any time and under any circumstances, and are obviously more convenient than preparations which have to be dissolved in hot water, milk, &c. It has an agreeable flavour which is distinctly superior to that of any other casein preparation.

VISEM is being largely and effectively advertised in the great national newspapers.
VISEM is also extensively advertised in the medical journals and doctors are largely prescribing it.
Beautiful showcards and interesting literature will be supplied to the trade.

Price 13/6 per dozen boxes.
P.A.T.A. Minimum re-selling price 1/6 per box.

APLIN & BARRETT, etc., LTD., Yeovil, Somerset,
and 33 Park Road, Battersea Park, London, S.W.
(WHOLESALE DISTRIBUTORS FOR ST. IVEL, LTD.)

HORLICK'S MALTED MILK

(In Powder Form).
No Cooking. Prepared instantly by stirring vigorously in water, hot or cold.

THE FOOD that BRINGS RESULTS

The first thought of experienced dietitians when selecting a palatable, nourishing, easily assimilated food.
¶ The wholesome, invigorating principles of pure milk and choice malted grain, so prepared as to be properly assimilated in the feeblest conditions.
¶ Used more extensively every year in the feeding of infants and as a supplementary nutrient for growing children. Also with increasing confidence by adults as a table beverage in the home—superior to tea or coffee at meals—and an efficient corrective of insomnia taken hot before retiring.
Endorsed by the Medical Profession.
Recommended and sold by all Chemists, in three sizes: **1/6, 2/6** and **11/-**

ADVERTISING MATTER PREPAID ON REQUEST.

Horlick's Malted Milk Co.
SLOUGH, BUCKS.

Lofthouse & Saltmer, Ltd.

—Wholesale and Export Drug—
Merchants, Manufacturing Chemists,
HULL,

invite the attention of the Trade to the following well-tried preparations, which carry a big P.A.T.A. retail protected profit, and are well known and valued by the public in many parts of the country.

	PROTECTED RETAIL PRICE.	DOZ. net.
Losall's Asthma Remedy. Very effective Remedy for Asthma, Bronchitis, &c.	1/-	7/6
Losall's Salt. The popular remedy for Eczema, Gout, Rheumatism, and Billiousness. Well advertised.	6d.	3/6
	1/-	7/-
	1/6	10/6
Losall's Compound Sulphur Soap. A valuable emollient medicated Skin Soap, especially for use in Eczema cases.	1/-	8/-
Prepared Barley ("CROWN BRAND"). Usual 1/- size, lever lid tins, for children and invalids.		4/-
Malted Food. Usual 1/- size, lever lid tins, name and address free on 3 dozen. Special design label with name and address on gross orders, if desired.		4/6

London Agents: F. NEWBERY & SONS, Ltd.

Why You Should Stock

VEROX

ALL BEEF. ALL BRITISH

Facts Your Customers Appreciate

Recent independent analysis has proved **Verox Fluid Beef** to contain an exceptionally high percentage of nitrogenous matter, and an exceedingly low percentage of moisture. This explains why less than a teaspoonful of **Verox** makes a cup of nourishing, real, beef-beverage.

The special shape bottle, preventing waste; the high quality and the low minimum selling prices—less than any other genuine brand—all combine to make **Verox** a quick selling, reliable line. **Verox** is the result of forty-five years' experience in manufacturing meat extracts.

A PROFIT OF 30%

in many cases more, is being made by Chemists who are selling this All-British Fluid Beef.

Our exhibit of **Verox** gained the highest British Award in its class at the Turin Exhibition last year.

TOOTH'S EXTRACT OF MEAT CO.,
12 Duke Street, London, S.E.
Est. 1865.
Tel.: 7368 Central. Teleg.: "Sustentate London."

Tear out the Coupon NOW, and post under halfpenny postage, for free sample, price list, and particulars of our special advertising scheme that will bring you business.

TEAR ALONG THIS LINE.
Please send me post free, sample of Verox, price list, and particulars of your special advertising scheme. I enclose my business card (or heading). ☐

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, N-F. Cocoa, Biscuits, Soup, Nutbutter (Walnut Blend), Wholemeal, &c.

NOTICE TO THE TRADE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for *any* reason you have difficulty in obtaining supplies, please send post-card direct to us, and a list will be sent to you by return. See trade mark on all our goods: "T. R. ALLINSON." ***None Genuine Without.***

NATURAL FOOD COMPANY, LIMITED.
305 Cambridge Road, Bethnal Green, LONDON, E.

Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only **at prices stated** upon the Price Lists we issue to the trade.

USE BEST BOTTLES ONLY.
WILL YOU PLEASE TRY OURS.

PLEASE NOTICE. All orders given this month will be executed at following low prices—

Clear Blue Tinted, plain or graduated. Round Edges.

3 & 4	6 & 8	12	16 ounce.
7/-	8/-	12/-	14/- per gross.

PANEL BOTTLES 1/- per gross extra.

FIRST QUALITY. Quinine Tinted. Round Edges.

3 & 4	6 & 8	12
10/-	11/-	18/-

20/- per gross.

WHITE PHIALS—GOOD QUALITY.

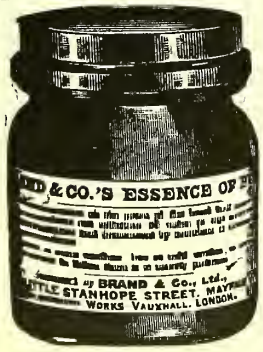
½	1	1½	2 ounce.	
3/6	4/-	4/6	5/6 per gross	Plain or Teaspoons

The New Shape OVAL FRONTED BOTTLES.
6 oz. size **8/6** per gross.

I. ISAACS & CO.,

106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

Carriage paid to certain stations. Particulars on application.
Established 120 years. Bankers:—London, County & Westminster Bank.



IN GLASS

BRAND'S ESSENCE OF BEEF AND OF CHICKEN

FOR INVALIDS.

Invaluable in all Cases of Exhaustion and Weak Digestion.

BRAND & CO., LTD., "Mayfair Works," 78 South Lambeth Road, Vauxhall, **LONDON, S.W.**

Johann Maria Farina's Julichs Platz No. 4

By Appointment to H.M. King George V

GENUINE

EAU DE COLOGNE

is known throughout the world by the label on the bottle as shown herewith. Attention is drawn to the No. 4, which is the number of Johann Maria Farina's Factory Place, viz., Julichs Platz No. 4, in the city of Cologne on the Rhine.

Wholesale Agents:
FICKUS, COURTENAY & CO., Ltd.
36 Sackville St., Piccadilly.
LONDON, W.

Buenos Aires, 1911, GRAND PRIX.

Turin, 1911, GRAND PRIX.

HIGHEST AWARDS.

In Charming Cut Crystal Bottles, 5 sizes, from 2/6.

A Perfume of Refined and Subtle Fragrance, of Distinctive Character, remarkable for its Novelty and Delicacy.

DIVINIA

The Favourite Perfume of the Fashionable World.

Gold Medal, Paris, 1900. Grand Prix, St. Louis, 1904.

Sole Makers—F. WOLFF & SOHN,
LONDON, PARIS, KARLSRUHE,
Wholesale—82 Hatton Garden, E.C.

Sold by Chemists.

BARNETTS

PERFUMES & COLD CREAM

STAND UNRIVALLED.

Samples and Prices (in bulk) on Application.

BARNETTS PERFUMERY LTD.,

126/128 Bristol Street, BIRMINGHAM.

OKELL'S ORIGINAL MONA BOUQUET.

(First introduced by the late JOSEPH O'KELL).

Registered Trade Mark, "DOUGLAS PIER."

The most popular and best-selling perfume in the market.
Retail Prices ... 1/-, 1/9, 3/6, 6/-, 7/6, 10/6, per Bottle,

ALSO 3d. SAMPLE BOTTLES.

Shippers and Wholesale Buyers supplied on the best terms by
THOMAS WEST & SON, 1187 Chester Road, Stretford. MANCHESTER.

BLONDEAU PERFUMES
make ideal
CHRISTMAS PRESENTS.

Display them Prominently in Your Pharmacy.

CHRISTMAS SEASON 1912.

WE suggest that if you have not yet placed your order for our new "Diamond" series of

BLONDEAU FLORAL EXTRAITS

you should do so without delay as the Christmas Season is fast approaching, and your clients are already on the look out for suitable gifts. There is no more acceptable present than a bottle of choice perfume. There are no better perfumes than those bearing the name of "Vinolia" or "Blondeau." You will assist your clients, and attract additional custom to your Pharmacy, by displaying prominently a selection of these charming perfumes. They are certain to find ready purchasers.

VINOLIA COMPANY LIMITED,
BEBINGTON, near BIRKENHEAD.

RV 127—29

Send to ELEY for these!

ELEY BROS. Ltd., possess facilities second to none for the manufacture of Silver- and Nickel-Plated Brass Boxes for Shaving Sticks and Aluminium Boxes for Dentifrice, Soaps, etc., also Tops, Caps, and Dredgers for Toilet and other Powders.

SOLID DRAWN TUBES, SMALL BRASS AND ALUMINIUM STAMPINGS.

ELEY BROS. Ltd., are large manufacturers of this class of goods to the wholesale trade. Prompt attention given to all inquiries, prices on application.

Address all enquiries for these goods to Dept. 21,

ELEY BROTHERS LIMITED,
254 GRAY'S INN ROAD, LONDON, W.C.

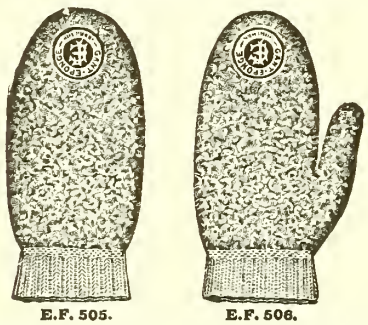
BIRMINGHAM: 29 and 30 Whittall Street.
GLASGOW: 82 Mitchell Street.
LIEGE (Belgium): 107 Rue Louvrex.
FLORENCE: 4 and 6 Via Cavour.

Canadian Branch:—
ELEY BROS. (CANADA) LTD., Transcona, Man.

Do you want THE BATH GLOVE

whose finished excellence makes everyone who handles it a Buyer?

It is the "E.F." (Patented)



E.F. 505. E.F. 506.

The illustration cannot convey to you the dainty perfection of manufacture. **Made in one piece, without seam of any kind,** they are soft as a high-class Turkish Towel, but immeasurably stronger and are a real glove in the way they fit the hand.

There are two sizes in each shape, at same prices:—
E.F. 505, without thumbs, Retail **10½d.** per pair, **7/-** per doz. pairs.
E.F. 506, with thumbs, Retail **1/-** per pair, **8/-** per doz. pairs.

Of all Wholesale Houses.
Sole Consignees for Great Britain and Colonies:—
Solport Bros. 188 & 190 Goswell Rd., **London,** E.C.

THE
KOH-I-NOOR
TOOTH-BRUSHES

- ¶ Are made in three degrees of stiffness to suit the ideas of customers.
- ¶ The handles are flexible and of various colours and shapes.
- ¶ In their manufacture only the best materials are used and the **finish is the finest on the market.**
- ¶ Unlike the ordinary tooth-brush, the bristles do not come out.
- ¶ It is practically impossible to pull out the bristles from a "Koh-i-Noor" even by force.
- ¶ Thus you can safely recommend them to your customers and obviate complaints.

ASK YOUR WHOLESALE HOUSE for them and also for a supply of "Koh-i-Noor" Showcards.

VALAZE

REMEMBER THE NAME.—Many ladies will ask you this summer for this beauty cream, made famous by London's fashionable West End Complexion Specialiste, Mme. Helena Rubinstein. It will not show flattering business acumen not to be able to supply it.

RETAIL PRICE: 4/6, 8/6, and 21/- A POT.

Madame Helena Rubinstein,

24 Grafton Street, London, W.

255 Rue Saint Honore, PARIS.
274 Collins Street, MELBOURNE.
158 Pitt Street, SYDNEY.
9 Brandon Street, WELLINGTON, N.Z.

OVER 100% PROFIT ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz., less 5% discount.
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz., 1/6 size, to 4/6, 12/- and 27/- respectively.

Sole Proprietors—

C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E.

BEETHAM'S

"LAROLA"

(Registered)

Is the Skin Tonic for 1912.

It is effective.
It is attractive.
It is price-protected.
It is well-advertised.
It sells readily.
It bears a good profit.

HAVE YOU OUR SHOWCARD ?

THIS IS WHAT THE "C. & D." SAYS OF IT:—

Beetham's New Showcard.—One of the prettiest lithographic productions which have come to us lately is the Larola beauty here depicted. The card measures 24 in. by 18 in., and is all roses, even the word "Larola" being formed from prickly rose-stems. The fair rose-gatherer has rosy cheeks, and she and the setting make so bright a picture that no pharmacy will be complete without it. Copies can be obtained from Messrs. M. Beetham & Son, Cheltenham, the originators of Glycerine-and-Cucumber and Larola.

This handsome Showcard, in 14 colours (size 24 by 17) can be had by any chemist who will give it a good place in his pharmacy.

M. BEETHAM & SON, Cheltenham.

Salrado Compound.

BISURATED MAGNESIA.
Retail, 1/9.
Trade, 17/- per doz.

HARRIETT META'S GOLD MEDAL HAIR TONIC.
Retail, 2/11.
Trade, 26/- per doz.

Sulthine Concentrate.

Lavona de Composee

ALL SELLERS

Flowers of Oxzoin.

TO-KALON Guarantee.
Extensively Advertised.
No Risk. Good Profits.

SALE GUARANTEED

by the

TO-KALON Manufacturing Co., Ltd.

To-Kalon House, Great Portland St., London, W.

HAVE YOU TRIED OUR . .

"New Process"

OTTO OF ROSE

Distilled under vacuo, eliminating inodorous
:: Stearoptine to a large extent ::

WRITE FOR QUOTATIONS.

THE LONDON ESSENCE CO.,
George St., Camberwell Green, LONDON, S.E.

CHRISTMAS TRADE.

HAVE YOU SECURED YOUR STOCK OF

LUCE'S JERSEY EAU-DE COLOGNE

SIZE.

1 oz., No. 27—Cologne **4/9** per doz.
2 oz., No. 1—Sexangle **9/6** ,,
4 oz., No. 3—Square **19/-** ,,
8 oz., No. 5a—Barrel **38/-** ,,
½ pint Wicker **30/-**
1 pint Wicker **60/-**
1 qrt. Wicker **120/-**

SPECIAL BONUS allowed for XMAS. WINDOW DISPLAY ON ORDERS received before NOVEMBER 1st.

Wholesale Distributing Agents: **J. C. GAMBLES & CO., 20 Little Britain, E.C.**

Guaranteed for 10 Years.

EASY TO INSERT BLADE.

In construction, nothing could be **more simple.** A beautifully nickelled little box, two horse-hide rollers, a blade holder and crank—**that's all.**

Just drop blade on holder, slip catch and turn—a **half minute and you're done**—both edges are sharp.

No need to remove blade to strop the other side

No skill required, you can't go wrong.

No danger of cutting your hands.

No chance of cutting the leather.

No long strop needed.

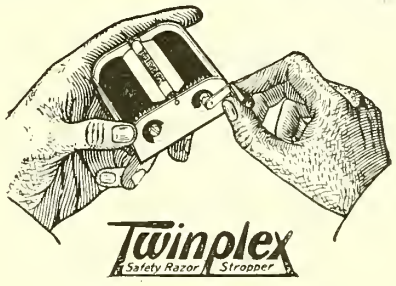
No hook needed.

No big box to carry around.

It is complete in itself and can be used at home, on train or in hotel with equal ease.

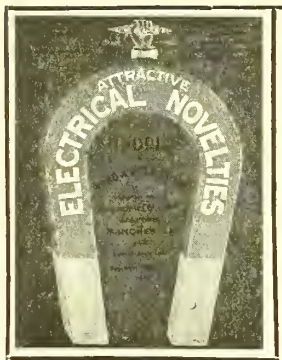
Strops Two Edges at once.

TWINPLEX SAFETY RAZOR STROPPER.



	s.	d.
Retail	15	0
Trade	10	6
Profit on each	4	6

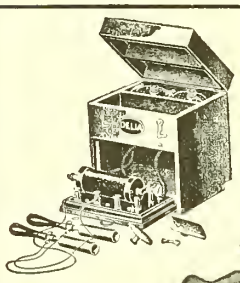
BARCLAY & SONS, Ltd., 95 Farringdon Street, LONDON, E.C.



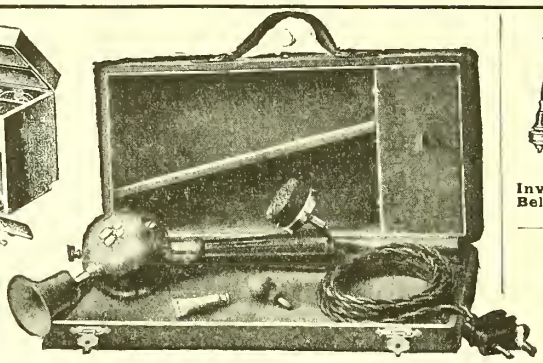
The largest and most attractive catalogue of ELECTRICAL NOVELTIES, post free. Ask for Catalogue "N," and mention paper.

THE COLONA PORTABLE READING LAMP

with Volex giant dry Battery. Each Battery gives from 68 to 80 hours brilliant light. Polished Walnut Case, Aluminium Reflector, and Bulb, &c., complete. Price **14/6** Weight 2¾ lb.



Medical Coils. — A large range of Medical Coils from **12/-** doz. The "Delia," as illus., with Electrodes & Drop-down front. Leather Handle, **17/4** net.



SAMPSON MASSAGE VIBRATOR, in handsome case, provides a strong or mild current. Price **£1 12 0** net, complete with batteries.

Invalids' Portable Bell Set. Complete, **6/8** net.

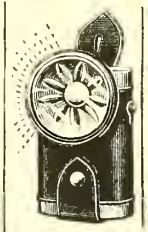
The Gothic Lighting Set. Most suitable for Lavatory or Bedside lighting. Price **3/4** net. With Battery and Metal Filament Bulb.

Our Pocket Lamp Refills are unequalled for lasting, quality, and efficiency. Price from **2/10½** dozen net.
The Volex. The nearest approach to an Accumulator. Price **5/-** doz. net.

Attractive Lines in Pocket Electric Flash Lamps. Complete with Bulbs and best Refill Battery, from **6/1½** dozen.

Aristo Gun-metal Case, with Refill and Metal Filament Bulb, for Waistcoat Pocket. **2/-**.

The "Dainty" Waistcoat pocket de luxe pattern, **1/8** each net, leather covering; Popular pattern, **1/4** each net, leatherette covering. Complete with Bulbs and Batteries.



Leather Cased Lamp, with Button and Belt Attachment. Splendid for train, reading, and inspection use. Complete with Volex long-life Refill and Metal Filament Bulb. Price **4/4**

Send now for the largest Catalogue of Electrical Novelties ever issued. Mention Paper and ask for CATALOGUE "N."

WARD & GOLDSTONE, ESTAB. 1892.
Contractors to H.M. Government,
Springfield Lane, SALFORD, MANCHESTER.
Telephone: 7084-5-6-7 CENTRAL. Telegrams: "MULTUM MANCHESTER."

REDUCED PRICES OF

PLEATED BOTTLE CAPS.

The best in Quality and Cheapest on the Market. 20 Years' Reputation.

Nos. 0, 1, 2, 3, 3b, 10, 20, 30 for Phials **4d.** per gross
" 4, 4b, 40 for 3 to 6 oz. Bottles **4½d.** "
" 5, 5b, 5½, 50 for 8 to 10 oz. " **5d.** "
Nos. 6, 6b, 60 for Pints ... ... **5½d.** per gross
" 39, for Winchester Quarts **7d.** "
" 8, Long, for Wines ... ... **9d.** "
ELASTIC BANDS: Small, **3d.** per gross; Large, **4d.** per gross.

FROM **WHOLESALE AND EXPORT ONLY.**

DARTER, WILKINSON & CO., 23, 24, 25 Sandland Street, and 3, 4, and 5 Gray's Inn Passage,
HIGH HOLBORN, LONDON, W.C.

Also Manufacturers of Dish and Dessert Papers, Ham Frills, Pie Collars, Soufflet Cases, etc., etc.

AIR-TIGHT & SELF-FIXING CAPSULES.

'SEMREH' BOTTLE CAPS.

FIT ALL BOTTLES.

The necessity of purchasing specially shaped bottles or bottles with specially shaped necks does **not** arise when you use 'Semreh' Bottle Caps. Consider the convenience and saving in using Caps which fit perfectly the bottles and stoppers you have in stock!

FULLY DESCRIPTIVE BOOKLET FREE

THE VISCOSE DEVELOPMENT CO., LTD.,
Pembroke Road, BROMLEY, KENT.

JOHN STRANGE WINTER'S FAMOUS SKIN FOODS.

LAKSHMÎ. A Perfect Skin Lotion. **2/6** per bottle and **6/-** (4 times 2/6 size).
LAKSHMÎ CREAM. The Ideal Toilet Cream. **2/6** per pot. Trial tube, **6d.**
CRÊME MARQUISE. A Perfect Ointment. **1/-** per tube. **2/6** per pot.

AWARDED SIX GOLD MEDALS.

Write for full list (30 Preparations) to

JOHN STRANGE WINTER, Ltd.
YORK HOUSE, HURLINGHAM, LONDON, S.W.
Telephone No.: 742 Putney.
Wholesale Agents: BURGOYNE, BURBIDGES & CO.

Prescribed for Members of the Royal Family

Kutnow's Powder

(By Appointment to H.H. the Maharajah of Kapurthala)

A Certain and Constant Means of Making Money

KUTNOW'S POWDER is known everywhere and is universally recognised for its excellent remedial qualities. Doctors prescribe it, Nurses commend it, and people of both sexes, and in all parts of the world, use it. It is a certain and rapid money maker.

Remember that Kutnow's Powder is

On the P.A.T.A.

Yields a Good Profit

Prescribed by Doctors

Largely and widely Advertised

Used and Commended by Nurses

A Safe and Effective Liver Tonic

ALL CHEMISTS are invited to send for attractive and sales-creating counter bills, dummies, and showcards, which will bring business and ensure a large profit. Write for them now to:—

S. Kutnow & Co., Ld.,

41 FARRINGDON ROAD, LONDON, E.C.

No. 52.

S. MAW, SON & SONS
7 TO 12, ALDERSGATE ST.
LONDON, E.C.

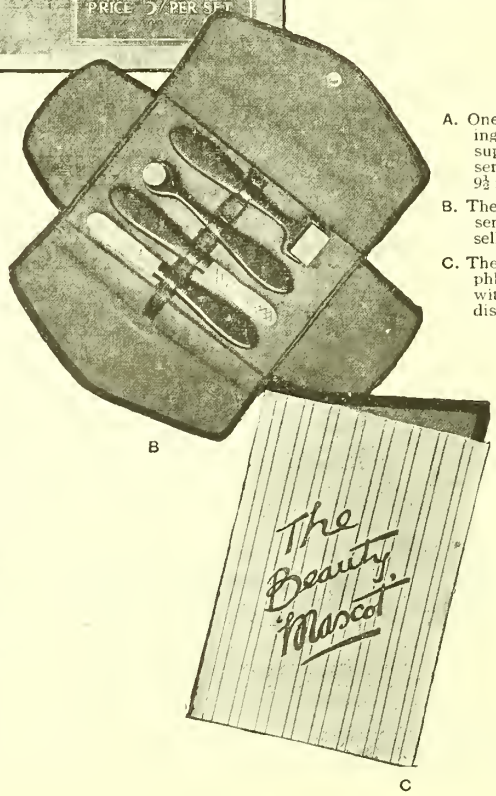
Maw's Page.

Telegraphic Address: "ELEVEN LONDON." Telephone No.: LONDON WALL 3230 (4 lines).

Every woman who appreciates the charm of facial beauty, and who realises that careful preservation of her "good looks" by massage is a necessity, will welcome the appearance of Maw's very latest introduction, the "Massene" Face Massage Set. In perfecting this clever toilet requisite, we have been favoured with the valuable collaboration of a leading professional Masseuse, and have no hesitation in recommending this line to all Pharmacists who are building up, or who control, a high-class business. "Maw's 'Massene'" sets sell at 5*s*., 10*s*. 6*d*., and 21*s*., with full instructions, illustrated by photographs from life. The "Massene" advertising is one of the best "House of Maw" better-business schemes. Write now for full particulars if you are not acquainted with—

"WOMEN HAVE MORE STRENGTH IN THEIR LOOKS THAN WE HAVE IN OUR LAWS."—

SAVILLE.



A. One of the two striking salecards we supply with "Massene" orders. (Size 9½ in. × 11¾ in.)

B. The handsome "Massene" Set which sells at 21*s*.

C. These attractive pamphlets we supply with orders, for free distribution.

B

C

'Maw's THE BEAUTY MASCOT. Massene' Face Massage Set.

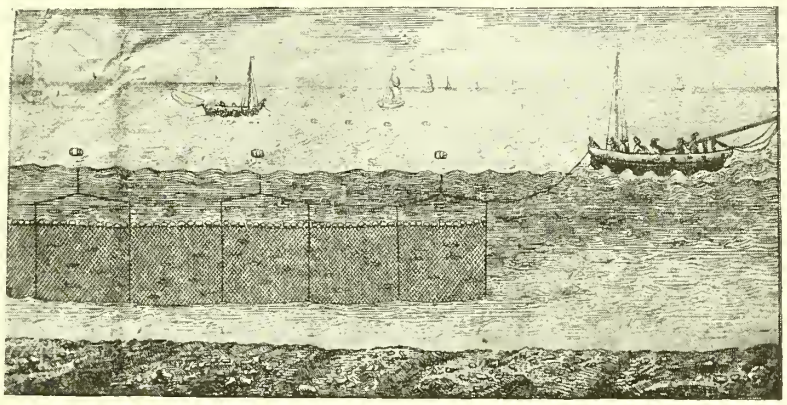
Copyright.

52/12.10.12

SEA FISHING SERIES 1G

Sea Fishing Two Hundred Years Ago

Speaking in praise of fish and fisheries an old author writes:—"So soon as ever Harvest is over the boys and country fellows presently flock to the coast to be hired into the Fishery, and, upon trial, find it so much to their liking that after the second voyage there is not one in twenty of them but takes to the sea for good and all, without ever returning to his former condition."



Fishing with a Drift Net below the surface. From an old print

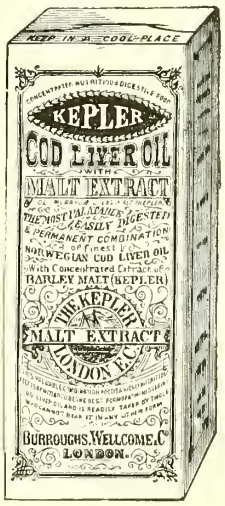
TRADE 'KEPLER' MARK

COD LIVER OIL WITH MALT EXTRACT

It is Time to Display it

At this season there is always a large increase in the number of prescriptions for this reliable product. Moreover, this is the time when a very large number of delicate persons recommence their winter course.

A prominent display will have the double effect of bringing back last season's customers and attracting a share of the new business.



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THE CHEMIST AND DRUGGIST

A Weekly Journal of the Chemical and Drug Trades
and of
British Pharmacists throughout the Empire.
ESTABLISHED 1859.

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WELL IN ADVANCE

is a sound business principle, and we try to live up to it. In the drug, chemical, and allied trades it is generally agreed that we have succeeded because of our alertness to opportunities and promptitude in taking advantage of them. For instance,

The Chemists' and Druggists' Diary

was the first annual business reference-book produced specially for the drug-trade. It was, and still is, *well in advance* of anything of the kind in usefulness, handiness, and business-bringing. The *Diary*

for 1913

is now in preparation for press. We publish *well in advance*, so that our many friends overseas may have their *Diary* to begin the New Year with. The Publisher is busy booking advertisements for the new issue of the "Chemists' Bible," and firms who have not yet secured space should write at once to 42 Cannon Street, London, E.C.

SUMMARY OF THIS ISSUE.

The more notable items only are dealt with.

Known, Admitted, and Approved Remedies.

We cannot guarantee insertion in the *C. & D. Diary, 1913*, of formulas for above received later than Friday, October 18. Subscribers who enjoy the exemption should therefore send us immediately any they may desire to have published.

Articles and Communications.

The effect of the war in the Near East on drug-produce is told on p. 50.

The export and import trade of the United Kingdom during September showed phenomenal increases (p. 49).

The correspondence regarding drug-stores and individual pharmacies continues, and we have more letters on the subject in type (p. 64).

"Xrayser II." praises Mr. Rymer Young's address to the School of Pharmacy, and discusses the medical-benefit regulations, of which he appears not to be enamoured (p. 47).

The attention of Australian and New Zealand readers is specially called to the observations regarding the Dominions Royal Commission inquiry on p. 49, and the report beginning on p. 61.

An endeavour is made in a note appended to a letter on p. 63 to clear away the confusion still existing in commercial circles regarding true and false chaulmoogra-seeds and the oils expressed from them.

We call the attention of all in the retail drug-trade at home to the importance of strictly observing the conditions as to the sale of non-exempted articles during closing hours (p. 48). Since the article was written two chemists in Bournemouth have been fined for selling soap and nail-brushes (p. 38).

News of the Week.

A fair number of drug-contracts are reported on pp. 34-35.

A chemist's manager has recovered a month's wages in lieu of notice (p. 38).

London golfers will find the present state of play for the President's Cup in the Coloured Supplement.

Mr. E. Grant Hooper, F.I.C., has been appointed Deputy-Chemist in Government Laboratories (p. 42).

The Jubilee meeting of the British Pharmaceutical Conference will begin in London on July 21, 1913 (p. 50).

The Home Secretary has appointed a Committee to inquire into the manufacture and handling of celluloid goods (p. 44).

Mr. James Heron, one of the most noted among the older Scottish pharmacists and a former partner in Duncan, Flockhart & Co., Edinburgh, died suddenly last week (p. 40).

We report the October Council-meeting of the Pharmaceutical Society of Ireland: also the annual meeting, at which the retiring members of Council were re-elected (pp. 51-54).

An Australian chemist has been charged at Exeter, under the Offences to the Person Act, with supplying a woman with an abortefacient-mixture, but was acquitted. The case is reported on p. 38.

There is little really novel about the National Insurance medical benefit this week. The Regulations published last week will not be amended and passed until about the middle of November. Meanwhile sanatorium benefit is being administered, chemists getting business out of it (p. 43). Questions in Parliament regarding medical benefit are reported on p. 45.

The Chancellor of the Exchequer stated on Thursday afternoon that he could not accept the suggestion to appoint a Select Committee to inquire into the medical-benefit provisions of the National Insurance Act. See p. 44.

Trade and Market Matters.

Statistics regarding drug-produce received at and delivered from London warehouses during September are printed in the Coloured Supplement.

Menthol, ipecacuanha, bleaching-powder, English castor oil, star-anise oil, Epsom salts, and lobelia are dearer. Opium, morphine, H.G.H. peppermint oil, and soda hyposulphite are firmer. Quinine, quicksilver (seconds), copper sulphate, and valerian are cheaper. Business shows some improvement this week (p. 58).

B

ENGLISH AND WELSH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

The Merthyr Tydfil Guardians have decided to appoint a dispenser for the infirmary at a salary of 30*l.* per annum (*C. & D.* September 14, index folio 424).

Mr. David Sturton, Fitzroy Street, Cambridge, was on September 29 ordered to pay the education portion of the poor rate which from conscientious motives he had refused to pay.

Plans of alterations to the premises of the Timothy White Co., Ltd., at the junction of High Street and Carvel Lane, Cowes, have been passed by the Urban Council.

The National Union for Christian Social Service had an acre and a half under peppermint cultivation at Lingfield, Surrey, this season, but the yield was poor—only about 30 lb. of oil.

The whippet bitch "Scilla," owned by Mr. W. H. Grimshaw, chemist and druggist, 132 Darwen Street, Blackburn, won the first prize and championship at Edinburgh Dog Show on October 3.

The Southwark Guardians expended 1,748*l.* on drugs and medical and surgical appliances during the past year, as follows: Christchurch Workhouse, 145*l.*; Newington Workhouse, 201*l.*; St. George's Workhouse, 79*l.*; infirmary, 1,320*l.*; and Children's Homes, 3*l.*

Sir Alfred E. Bateman, Mr. W. F. Wintour, Mr. Walter F. Reid, F.I.C., F.C.S., and Mr. E. Wyldbore-Smith have been appointed by the Foreign Secretary to represent the British Government at the forthcoming conference at Berlin for the regulation of international exhibitions.

Burglars gained entry to the premises of Freeman's Chlorodyne, Ltd., at 70 Kennington Park Road, London, S.E., on October 9, by climbing a tree, walking over a roof and smashing a thick plate-glass window. The intruders stole keys, rifled desks, cupboards, etc., and generally damaged the office furniture.

In the Lord Street and Bold Street establishments of Messrs. Thompson & Capper, Ltd., Liverpool, the whole range of Rexall goods is on view. The windows are draped in royal blue, while across the top portion of the window is a royal blue poster with the word "Rexall" in white letters. The display is very dignified, the prices being a little above the ordinary British artisan's pocket.

Brockhurst.

The "Gardeners' Chronicle" of October 5 gives an account of the gardens at Brockhurst, East Grinstead, the residence of Mr. F. Janson Hanbury, F.L.S. (Messrs. Allen & Hanburys, Ltd.). The article is illustrated with several photographs, the first of which is a Turner-like view of the mansion from the lake, the second is of the terrace and drive, the third is a view from the terrace, and the fourth a section of the recently constructed rockery. Our contemporary states that

> Brockhurst is interesting not only to lovers of beautiful gardens, but to the naturalist and botanist, for the museum contains a complete collection of British *Lepidoptera*, and the herbarium some 70,000 specimens of British plants. The gardens also contain numerous rare British plants. A former owner planned the gardens and pleasure-grounds, but Mr. Hanbury has developed them, so that to-day they are among the finest in the country. The rock-garden is one of the most extensive in these islands, for, although not yet finished, it is one-eighth of a mile in length, and consists of a ravine cut in the natural rock, with shelving, irregular sides, the home of rare and interesting species.

Mr. Hanbury is specially successful in the cultivation of many uncommon plants obtained from the late Sir Thomas Hanbury's garden at La Mortola, and he has extended the magnificent collection of orchids which he grew when he resided at Clapton. The greater part of the "Chronicle" article is devoted to the orchid-houses.

Store-prices.

The stores circular of the Army and Navy Co-operative Society, Ltd., for October gives five pages to the drug department, the space being chiefly devoted to A. and N. specialities. The changes are few. Senna-pods (Alex.) have advanced to 1*s.* 6*d.* per lb.; and additions are Hall's wine, half-bottles 2*s.*; Armour's motorist's soap-paste, 5*d.* tin.; eau de Cologne (opp. Jülichs Platz), 8-oz. bottles, 4*s.* 4*d.*; bunion-destroyers, 10*d.* each, and corn-destroyers 6*d.* each. A reproduction of the "Rensfield" syphon-aërating machine (27*l.*) occupies a third of a page.

Birmingham Notes.

A tuberculosis department has been inaugurated by the Birmingham Dispensary, which has half-a-dozen or more large institutions distributed about the city.

An extra special attempt, says our local correspondent, is to be made to infuse newer life into the supposed dry bones of pharmacy. With that object in view an urgently whipped meeeting of the Council of the M.P.A. was called on October 9.

Sale of Proprietary Articles.

At the meeting of Bradford Chamber of Trade on October 7, the sale of proprietary articles and the meagre profits thereon were discussed as the outcome of a proposal that the delegates of the Chamber to the Conference of the National Chamber of Trade should support the resolution which stands in the name of the Smethwick Traders' Association, the purport of which is that in view of the small profits derived from the sale of proprietary articles the National Chamber should urge affiliated associations to refrain from pushing the sale of branded goods. It was pointed out by a number of speakers that chemists, grocers, and other tradesmen have only themselves to blame if they receive no adequate financial benefit from the sale of proprietary articles. It might be true that the proprietors expend large sums in advertising their specialities, but this is no reason why the retailers should have to be satisfied with a profit which in many cases is almost *nil*. It was decided that the Bradford delegates should support the Smethwick resolution.

Sale of Food and Drugs Acts.

The Lambeth analyst reports that during the last fortnight two samples each of citric acid, tartaric acid, cream of tartar, and milk of sulphur were analysed, and found to be genuine.

One hundred and seventy-eight samples have been submitted to the City of London analyst during the nine weeks ended September 14. These included olive oil (19), compound liquorice-powder (6), vinegar (5), boric-acid ointment (4), mustard (3), compound rhubarb-pills (2), zinc ointment (2), camphorated oil (1), and cream of tartar (1). One sample of olive oil contained 50 per cent. of arachis oil, and a vinegar sample was 37 per cent. deficient in acetic acid.

Mayoralties.

Mr. S. W. Royse, of Messrs. S. W. Royse & Co., chemical merchants, Manchester, is retaining the Lord Mayoralty of the city for a second year.

Mr. Arthur Michael Samuel, 48 Montagu Square, London, who is a director of the Apollinaris Co., Ltd., is to be the next Lord Mayor of Norwich.

Mr. E. Cardwell, J.P., chemist and druggist, Lancaster, and Mr. C. H. Waterhouse, J.P., of Messrs. J. Waterhouse & Co., wholesale druggists, Ashton-under-Lyne, have declined to continue in office for a second year.

Mr. Thomas Kay, of Kay Bros., Ltd., Stockport, has accepted the unanimous invitation extended to him by the Heywood Town Council to be Mayor. Mr. Kay left Heywood, his native town, nearly fifty years ago, and has never been a member of the Town Council.

Alderman John Frederick Weidner, the Mayor-Elect of Newcastle, is a director of Messrs. Weidner, Hopkins & Co., shipowners and merchants, and along with his co-director, Major C. H. Innes-Hopkins, controls the North of England Chamois Co., Ltd., Dean Street, Newcastle-on-Tyne.

Contracts.

Burton-on-Trent Guardians.—Liverpool Lint Co., for chemicals.

Prescot Guardians.—Stringfellow, Ltd., St. Helens, for disinfectants.

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Hinckley Guardians.—Knight & Crofts, Hinckley, for chemists' goods.

Lancaster Guardians.—Mr. W. Arkle, chemist, Lancaster, for drugs.

South Stoneham Guardians.—Mr. C. T. Steel, chemist, Bitterne, for drugs.

Blean Rural Council.—Mr. A. Lander, Ph.C., Canterbury, for disinfectants.

Strand Guardians.—Burgoyne, Burbidges & Co., for medical appliances, etc.

Grantham Guardians.—B. & J. Fillingham, chemists, Grantham, for chemicals, etc.

Helston (Cornwall) Guardians.—Mr. J. B. Martin, chemist, Helston, for the drug-supply.

Thanet Cottage Homes.—Mr. W. Howard, Ramsgate, for disinfectant fluid, at 3*s*. 6*d*. per gal.

Canterbury Board of Guardians.—Walker & Harris, chemists, Canterbury, for surgical dressings.

Watford Guardians.—G. M. & M. T. Chater, chemists, Watford, for a half-yearly supply of surgical dressings.

Lewisham Guardians.—The British Pluvuisin Co., Ltd., for a supply of waterproof sheeting at 2*s*. 9*d*. per yard.

Todmorden Town Council.—Draycott & Co., for carbolic fluid; Mr. E. Crabtree, chemist, Todmorden, for crude cyllin; the United Alkali Co., Ltd., for chloride of lime.

Marylebone Guardians.—Corbyn, Stacey & Co., Ltd., for drugs, 278*l*. 8*s*. 5¾*d*.; S. Maw, Son & Sons, for druggists' sundries, at 272*l*. 3*s*. 2*d*.; J. G. Ingram & Son, for waterproof sheeting, at 72*l*.

Swindon and Highworth Guardians.—Knox & Sadler, for bandage calico at 2½*d*. per yard; Mr. W. Haynes, for bovril at 18*s*. per doz. bottles, and invalid bovril at 21*s*. per doz.; and Mr. B. Bosley, for rubber sheeting at 4*s*. 11*d*. per yard.

Lambeth Guardians have placed an order with Messrs. S. Maw, Son & Sons for the supply of crutch-shoes at 8*s*. per doz.; bottles for test cabinets, at 1*s*. per set; a test-cabinet complete, 1*l*. 10*s*.; throat-sprays, 2*s*. 6*d*. each; a hydrometer, 2*s*. 6*d*.; teats for nipple breasts, 9*d*. per doz.; throat-brushes, 2*s*. 9*d*. each; section card index cabinet, 9*l*.

Cannock Guardians. — Mr. A. E. Fereday, Cannock, feeding-bottles 5*s*. 3*d*. doz., plain lint 1*s*. 3½*d*., tow 4½*d*., linseed-meal 3½*d*., Fuller's earth 3½*d*., castor oil 5*s*., cod-liver oil 1*s*. 6*d*., olive oil 7*s*.; Mr. T. W. Garland, Ph.C., Cannock, clinical thermometers 1*s*. 4½*d*. each, cotton-wool 7½*d*., brimstone 1½*d*., castor oil 4*s*., turpentine 3*s*. 6*d*.; Needham, Ltd., sanitas fluid 10*d*., vaseline 2*s*. 9*d*. (5-lb. tin), methylated spirit 3*s*.

From Various Courts.

A verdict of "Accidental Death" was returned at the inquest at Hackney on Emma Graves (73), who died from shock due to burns. Deceased, who suffered from rheumatism, had bound up her hands with capsicum cotton-wool, which became ignited when she struck a match in order to see the time.

At Bexhill on October 8, the charge against Arthur Wm. Plummer, chemist's assistant, of stealing the moneys of his employer, Mr. G. S. Perrett, chemist and druggist, Bexhill, was adjourned until October 29 (*C. & D.*, October 5, index folio 528). The further evidence given was that between January 1, 1911, and July 6, 1912, there were forty-two instances in which the daily returns of cash had been wrongly totalled up, the sum of 19*l*. 11*s*. 7½*d*. not being paid to the bank credit.

Nitric Acid from Coke-oven Gas.—"The Times" (Engineering Supplement), October 9, gives a description of a plant for the production of nitric acid and other nitrates from coke-oven gas which is now being constructed at the De Wendel colliery, near Hamm, in Westphalia. The process employed is the outcome of experiments which Professor Häusser has been carrying out at the Maschinen-Fabrik Augsburg-Nürnberg for some time past, and depends on the oxidation of nitrogen by the combustion of an explosive mixture of air and coke-oven or illuminating gas in a closed vessel. The article proceeds to describe the preliminary work which was done by Mr. Dobelstein, of Essen, and the cost of manufacture.

IRISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Mr. J. F. Grimes, registered druggist, has been appointed a Justice of the Peace for co. Tyrone.

Mr. John Wilson has given notice that he will move at the next meeting of the Belfast Board of Guardians that Mr. W. J. Stevens, dispenser, receive an increase of 5*l*. per annum from June 16.

Mr. Robert Watson, formerly of Messrs. Austin & Co., chemists, Londonderry, has been appointed manager of Messrs. Mortimer & Co., wholesale and retail druggists, William Street, Londonderry.

At the annual meeting of the Central Presbyterian Association in Belfast on October 3, Mr. James Guiler, M.P.S.I., Ormeau Road, Hon. Secretary of the Ulster Drug-trade Association, was elected a member of the General Committee.

Mr. William Hamilton and Mr. James A. Wilson, of Messrs. Alexander Dickson & Sons, seedsmen and florists, Royal Avenue, Belfast, have applied to the Police Committee of the Belfast Corporation for poison-licences, and the Town Clerk has been directed to issue licences on receipt of satisfactory reports.

The Belfast Corporation has decided to make application to the Local Government Board for sanction to borrow 10,000*l*., which is required to pay compensation for ground acquired for widening North Street at the properties of Messrs. William Dobbin & Co., chemists and druggists, North Street, and the adjoining occupiers.

Mr. John Frackelton, President of the Chemists' and Druggists' Society of Ireland, and Mrs. Frackelton have issued invitations to the members of the Society and their lady friends to meet them at tea in the Society's rooms, 11 Waring Street, Belfast, on October 16. As Wednesday is the half-holiday in Belfast, a good attendance is anticipated.

SCOTTISH NEWS.

When sending newspapers to the Editor please mark the items of news to which you desire to call his attention.

Brevities.

Mr. A. Bertram, chemist and druggist, High Street, Inverleven, Methil, has disposed of his business to Mr. John Buchanan, chemist and druggist, 73 High Street, Leven.

Mr. J. Brown, photographer, Galashiels, who took the magnificent group of the British Pharmaceutical Conference party at Melrose Abbey, is now producing it as a picture postcard.

Glasgow and the West.

Mr. J. R. Peacock, chemist, 156 New City Road, Glasgow, has opened a business at 204 Cathedral Street.

"Doctors' Surgeries for Sale." Such announcements are epidemic in the West, but buyers are few and far between.

Chemists should again be on the look-out for persons "ringing the changes." Two prosecutions have taken place at Clydebank.

Ten inspectors are to be appointed by the Corporation to see that the Shops Act is adhered to. Several prosecutions have already taken place in Glasgow, but fortunately chemists and druggists do not figure on the lists.

Chemists in Govan who now close on Thursday afternoons will, after the November municipal elections, require to close on Tuesday, as Govan will then cease to exist as a separate burgh, and will be swallowed up in "Greater Glasgow."

There is talk of some local gentlemen starting a Glasgow glass-bottle factory, to be run on an independent basis, and free from the trammels of labour and trade-union disputes. Several local firms who require large supplies of bottles have indicated a desire to support the scheme.

Dr. D. Young and Mr. James C. Robertson, chemist and druggist, have dissolved partnership. Dr. Young will continue the business at 602 Great Eastern Road, Parkhead, and Mr. Robertson that at 678 Main Street, Tollcross, Glasgow. Dr. Young will collect all accounts due to, and pay all accounts due by, the firm on October 1.

Edinburgh.

The Board of Examiners for Scotland completed their October meeting on Tuesday, having examined fifty-two Minor candidates, of whom twenty-four passed.

Mr. William Ellis has been appointed by Messrs. Pinkerton, Gibson & Co. traveller for Edinburgh and district, in succession to Mr. Chalmers, who is now on the way to Australia.

The new science laboratories in connection with George Heriot's School were formally declared open by Mr. T. McKinnon Wood, M.P., the Secretary for Scotland, on Friday, October 4. Mr. Wood, in the course of his speech, stated that whereas the original sum left by George Heriot was about 24,000*l.*, the income now is 30,000*l.* per annum. "That," added the speaker amid laughter, "is an example of unearned increment put to the most beneficial use."

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

Notification of Tuberculosis.—M. Letulle has reported to the Academy of Medicine that it is in the interests of the public that cases of tuberculosis should be notified to the authorities as soon as a medical diagnosis has been established. The notification carries with it the necessity of employing prophylactic and disinfectant methods. Assistance should also be given to tuberculous persons who are unable to afford to carry out the necessary precautions. The Academy is to consider the report at an early meeting.

Analysis of Food.—The International Conference for the Unification of Methods of Analysis of Articles of Food was opened at the Cours des Comptes, Paris, on October 7, by M. Klotz, the French Minister of Commerce, after which Dr. Bordas was re-elected President of the Congress. Delegates from twelve foreign countries were present. One of the objects of the conference is to urge the establishment of an international office of chemical analysis, which question was raised by the French Government at the Congress in 1910.

Surgical Exhibition.—An exhibition of medical and surgical appliances, organised at the Paris School of Medicine in connection with the twenty-fifth Congress of the French Association of Surgery, opened on October 7. In the courtyard of the school stands an ambulance motor-car, which attracts much attention. Among the numerous medical men and others in civilian dress who were passing in to the Congress and exhibition during my visit there were many pharmacists, and I noticed a number of army surgeons, several of whom wore round their kepi the gilt oak-leaves which denote the rank of general, but on closer view the red velvet underneath showed them to be army medical "inspectors." The exhibition is arranged in the spacious side-lobbies. The exhibits cover a wide field, and include non-alcoholic wines, anti-diabetic bread, hygienic corsets and bandages of every description, aseptic baths, enamelled furniture for hospital beds (one with springs at bottom "rendering a mattress unnecessary"), autoclaves, electro-medical appliances, and medicine-chests. The Paris pharmacies which cater for surgeons are well represented as a rule. Among other, I noticed Leclerc, of the Rue Vignon, who has laboratories at Sèvres and specialises in medical and surgical dressings, ampoules, pomades, ovules, gauzes, *et hoc genus omne*; Robert et Carrière's remarkable pharmacy, 37 Rue de Bourgogne, which had a special paragraph in the *C. & D.* some time ago, shows a full line of aseptic and antiseptic goods of all kinds; Corbière et Lindeux, 27 Rue Desrenaudes, who supply goods to many French hospitals, have a good show of patent dressings (*pansements brevetés*), and also of "first-aid chests" (*malles pour opérations d'urgence*); Dupatel, of Creil, has a show of novocaine; while Blanzy, Pouré et Cie., of Boulogne-sur-Mer, famous steel-pen manufacturers, have a show of Dr. Maréschal's "Jenner" vaccine-points. M. Rogier, pharmacist, Boulevard de Courcelles, and others show cases of dressings. I noticed one London exhibit—Pillischer, 88 New Bond Street, who is showing "inalterable" maximum clinical thermometers. Radioscopic and radiographic apparatus are conspicuous, Drault et Raulot, 73 Rue Dutot, and other well-known firms being exhibitors. The exhibition is closing this week.

October 16 is the anniversary of the execution of Marie-Antoinette. It would seem difficult to find anything new to say on the unfortunate Queen's last journey through the streets of Paris, but M. Hénard, in his history of the Rue St. Honoré, reminds us that this was her first glance, after long and weary months of imprisonment, of the main street where she shopped in her happier days. As the fatal tumbril jolted along the crowded street,

"she noticed at the balcony above their shop-front the widow and daughter of Bernard Derosne, a pharmacist who had been rendered prosperous by the Royal patronage. They turned away their heads as the tumbril passed. Inside the shop, in two great glass urns standing at either end of the counter, still shone the little pink and white coral pills, costly and inoffensive remedies rendered fashionable by the elegant loungers of the Trianon, and which were supposed to be a guarantee of long life."

The interesting point is that the shop in question is still a pharmacy, and that the name of Bernard Derosne still holds an honoured place on its frontage, though the present proprietor is M. Plaix. It is situated at No. 115, and was briefly noticed in the *C. & D.*, July 31, 1897. It was founded in 1715. The survival is the more remarkable as one by one the old pharmacies mentioned in the article in question are disappearing. At No. 93, the "Bourdon St. Jacques" (*C. & D.*, July 31, 1897, and January 25, 1902) has given place, after probably a couple of centuries of existence, to a wineshop. Cadet Gassicourt's pharmacy in the Rue de Marengo (*C. & D.*, July 31, 1897) has disappeared, the site having been taken for the extension of the Grands Magasins du Louvre and the business "amalgamated" with a large modern commercial pharmacy. Gone, too, is the old house at the other end of the Rue St. Honoré where Follope kept open shop (see *C. & D.*, January 27, 1900). An ultra-modern restaurant occupies the site, and every vestige of the old house has disappeared. Follope was denounced as a friend of the aristocracy during the Reign of Terror, and was one of the "four-and-twenty others" guillotined on the same day as Madame Elizabeth, "the sister of Louis," and the "kindliest, most innocent of women," on May 10, 1794. Follope must have often seen the tumbrils; the crowd was always thickest just round that corner of the Rue St. Florentin, for there, when the horses turned, the victims caught their first glimpse of the scaffold. There stood—till a couple of years ago, still a low-browed wineshop—the Cabaret du St. Esprit, where the choice Revolutionary spirits gathered to see these sights. Robespierre's home, just opposite Follope's, still stands.

BANKRUPTCY REPORT.

Re Frederick Floyd Williams, High Road, Ilford, Chemist and Druggist.—The public examination of this debtor was held at the Chelmsford Bankruptcy Court last week. Full particulars of the failure were given in the *C. & D.*, September 7, index folio 395. He now stated that he first knew he was insolvent eighteen months ago. At Romford County Court in April last he applied for an administration order, and then stated his debts did not exceed 50*l.* He now admitted that at the time he owed his aunt 100*l.* His wife's people had helped him, and his wife had bought the stock through friends. The examination was adjourned.

The Swiss Federal Census of 1911 shows that there are 198 factories engaged in chemical manufactures in Switzerland, employing 6,967 males and 1,725 females.

CANADIAN NEWS.

(From the "C. & D." Correspondent.)

Medical Registration.—The first meeting of the Dominion Medical Council is to be held in Ottawa this month. The work before the Council is the preparation of a Dominion Medical Register.

Less Alcohol.—The quantity of alcohol produced in Canada during the financial year just concluded was 4,784,396 proof gals., or nearly 500,000 gals. less than in the previous year. The greater part of the production was whisky made in Ontario. This province does not, however, pay the largest amount in Excise duties, that being done by Quebec, the seat of the tobacco industry.

Public Health Association.—The annual meeting of this Association was held in Toronto in the week commencing September 16. Some 800 doctors and others interested in questions of public health were present during the session, which was held in the Physics Building of the University of Toronto. The question of the provision of sanatoriums for tuberculosis patients was one of the subjects discussed.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is regularly supplied by order to all the members of nine Societies of Chemists in Australia and New Zealand, and to many other Chemists in business there.

The Commonwealth.

Army Dispensers.—The Minister for Defence has approved of a regulation enabling commandants in the various States to enrol dispensers in the Army Medical Corps until July 1914. The regulation permits enlistment under similar conditions to those existing prior to July 1912, when the new Defence Act came into operation. Owing to the fact that those being trained in the Citizen Forces would not be of full age, and therefore unable to act as dispensers, even though they possessed the professional knowledge, the temporary difficulty has been overcome by sanctioning voluntary enrolment of citizens who have the requisite qualifications. The appointment is for three years, and carries with it the rank of staff sergeant (dispenser). Eleven shillings per diem is the rate of pay, with a maximum rate per annum of 8*l*. 16*s*. during times of peace. To obtain the full amount of pay, eight days must be served in camp, and ten half-day parades and twelve night parades must be attended.

New Zealand.

Pharmacy Bill.—The new Ministry having in the speech from the throne intimated that it was proceeding with a number of Bills, including the Pharmacy Bill, the Pharmacy Board caused the latter Bill to be redrafted to include the suggestions agreed on at its last conference, and presented it in its new form to the Government on August 9, when a deputation waited on the Hon. R. H. Rhodes, Minister in charge of the Department of Public Health. The Bill as presented contains provisions calculated to improve the administration of the Board's affairs. The deputation included all the central members of the Board and a number of local chemists. The President, Mr. F. Castle, explained that the propositions represented the opinions of the members of the Board drawn from all parts of New Zealand, and not merely local opinion. The first proposed alteration was intended to give the Board power to spend money on technical education. On the question of travelling, the Board desires authority for the central members, as well as the other members, to receive the necessary expenses. Another suggested alteration would reduce the age limit for Section A candidates from eighteen to sixteen years, but to leave the minimum age for the Final examination at eighteen as at present. Other ends that the Board sought to achieve were the restriction of the use of the word "pharmacy" to businesses under the control of qualified chemists and the exemption of chemists from jury service. Finally, there was the matter of reciprocity, as to which it was desired to obtain the power to establish reciprocal relations with other bodies in any portion of the British Dominions. The Minister, in reply, said it appeared to him that the whole of the Board's requests were reasonable, and the reason for some of the amendments not being in the original Act was, no doubt, attributable to oversight. He thought the Bill would be favourably received by the House. Speaking generally, on looking through the proposals the Bill was one that he could recommend to Cabinet for favourable consideration, and he would do so.

Queensland.

The Pharmaceutical Society has become a body corporate through letters-patent, granted by the Governor and Council on August 28. This will give the Council of the Society more control over its members and funds, and will reduce the secretarial work. The property and funds of the original Society pass over to the Corporation. The Secretary is Mr. R. C. Cowley (formerly of Liverpool), and the office of the Society is in the College of Pharmacy.

The Royal Commissioner on Food and Drug Standards has been taking evidence in Brisbane, when the President of the Pharmaceutical Society, Mr. G. J. Mackay, the Secretary, Mr. R. C. Cowley, and Mr. A. B. Chater gave evidence on behalf of chemists. It is anticipated that the recommendations of the inter-State delegates who met in Sydney in June of 1910 will be considerably modified when the report of the Commission is published. The only State in which evidence is still to be taken is Victoria. The evidence of the Queensland Commissioner for Public Health, Dr. Elkington, was particularly favourable to chemists.

Early Closing.—For some time it has been felt that the hours of attendance at chemists' shops in Brisbane have been unnecessarily long, and many schemes have been suggested to ameliorate them. The difficulty in providing for urgent medicines after hours and on Sundays and holidays ended in the schemes being dropped. Lately the matter has again cropped up, and at a well-attended meeting of master chemists and managers of branch shops a scheme originated by the Business Committee of the Pharmaceutical Society of buying up an existing business, where there is housing accommodation for a manager and assistants, was considered. Mr. G. J. Mackay, President of the Society, in outlining the scheme, pointed out the possibilities of it, especially in the direction of developing a trade in specialities in opposition to those on which little or no profits were at present obtained, as a nucleus of a co-operative scheme, and as a means of competing with cutting firms, who may at any time make Brisbane a centre of activity. Another scheme outlined by Mr. J. W. Ward, Registrar of the Pharmacy Board, and which received some support, was that of securing two or more rooms in a central position which could be arranged as a dispensary, with sleeping quarters for a man, who would dispense urgent medicines after chemists' shops were closed. This would not interfere or compete with ordinary chemists as the first scheme would, but it would entail some expense, probably 6*l*. per week. After prolonged discussion, the first scheme was agreed to by a large majority, and a provisional committee was appointed to give effect to the scheme at the earliest possible date. A correspondent writes:

Brisbane and its suburbs cannot be compared with an English city with its suburban chemists. There are very few suburban chemists' shops in Brisbane, and very few city pharmacies have sleeping accommodation. Some considerable difficulty has sometimes been experienced in the past in obtaining urgent medicines after business hours; hence the hour of closing shops has been rather late—namely, nine o'clock. Sufficient financial support for the new venture has already been promised, and the committee is getting to work at once. It is anticipated that the scheme will be in operation within the next two months, when the ordinary working hours can be materially reduced; probably the closing hour will be fixed at 6.30 or 7 o'clock.

The Doc. Strike is the Chancellor of the Exchequer's latest trouble, according to "Punch."

The International "Whitaker" is now under preparation by the Publishers of "Whitaker's Almanack." It is to be published early in December.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is regularly supplied by order to all the members of the seven Societies and Associations of Chemists in British South Africa, as well as to other chemists in business there.

Orange Free State.

Mr. C. A. Geen, chemist and druggist, of Potchefstroom, played a billiard match against Mitchell, ex-professional champion of England, at the Potchefstroom Club. The final scores were: Mitchell 800, and Geen (who received 400) 655.

A Libel Case.—At the Bulawayo High Court on September 13, Mr. George Wickins, chemist and druggist, of Selukwe, was awarded 50*l*. damages for libel, the defendants being Syropoulo Bros., general dealers, who approached Mr. Wickins for a bottle of a certain proprietary medicine which they desired to supply to a customer. The plaintiff had only one in stock and preferred to keep it in case one of his own retail customers desired it. The defendants thereupon wrote to the police denouncing the plaintiff as unscrupulous and uncivilised. Plaintiff said his dealings with the defendants were wholesale, and he did not know the circumstances of this particular transaction, but when he learned them he at once supplied the article required. The Judge thought that the letter was a "little bit too strong," and awarded nominal damages, as the plaintiff wished only to reinstate his reputation.

O.F.S. Medical and Pharmacy Council.

A Meeting was held at Bloemfontein on September 13, when there were present Dr. A. B. Ward (President), Drs. C. H. Bidwell, S. M. De Kock, V. Manning, J. C. Pretorius, and D. M. Tomory, Messrs. E. Whiteside (dental member), S. S. Hewitt, and Westlake (pharmaceutical members). Since July 11 only one chemist and druggist had been entered upon the Register, Mr. Haswell Charles Vernon Gardner (chemist and druggist, Gt. Brit., 1909). The Secretary read a letter from Mr. John Mure inquiring whether the Council would accept the Preliminary examination in general education of the Educational Institute of Scotland as equivalent to the School Higher examination, and it was decided that the Council would consider that its regulations had been sufficiently complied with if the candidate succeeded in passing the Latin papers of the School Higher. The Council then considered the qualification of Mrs. Bertha Larsen to enter for the Chemists' and Druggists' examination without being compelled to take the Preliminary examination required by the regulations. Mrs. Larsen is Danish by extraction. As Miss Christiansen she had been apprenticed for shortly over three years—from 1904 to 1908—with a chemist at Nykøbing, in Denmark. In the latter year she had left for Copenhagen, where she submitted herself to the examination of the Pharmaceutical Academy (Læreanstalt), and obtained the diploma of that Institute. She had now settled down in the Free State. Her original application for immediate registration could not be granted, as pharmaceutical diplomas of foreign countries are not registrable in the O.F.S. The President stated that this at once raised the question whether a woman is entitled to registration in any case. He was, however, of opinion that the Ordinances did not prohibit it. Mr. Hewitt wished to know whether the diploma entitled its holder to practise as an independent chemist in Denmark. He was strongly of opinion that a person who was qualified to practise in one country should not be subjected to any Preliminary examination in another. It was resolved that the Danish Consul in Cape Town should be asked for the necessary information. The Council then considered whether a candidate who has entered for the Chemists' and Druggists' examination, but has failed to present himself for the examination, is entitled to present himself for the special examination on payment merely of the balance to make up the special fee, or whether his original fee should be deemed estreated, and that the whole of the special fee should be paid before a special examination could be held. Dr. Manning moved that legal opinion should be obtained. Dr. De Kock seconded. As an amendment, Mr. Hewitt proposed that the fee already paid be altogether remitted, and explained that the candidate should be allowed to enter for the next regular examination without fee, or for a special examination at any time after reasonable notice. This was defeated by a small majority, and the motion carried.

LEGAL REPORTS.

TRADE LAW.

Shops Act.—At Bournemouth on October 10, Mr. W. Bland Botham, Ph.C., Holdenhurst Road, and Mr. S. Chellew Moyle, chemist and druggist, 7 Westbourne Arcade, were summoned for not closing their shops on one afternoon each week. In both cases the inspector of shops sent a lady to make purchases—soap and a nail-brush—on the evening of the closing day. For the defence, it was contended that soap and nail-brushes are incidental to a chemist's business. The Inspector said Mr. Botham had been previously cautioned. The Magistrates fined Mr. Botham 1*l*., including costs, and Mr. Moyle was fined 10*s*.

A Shop-blind Accident.—In the Shoreditch County Court on October 8, before Judge Smyly, K.C., Rose Adams, a button coverer, 55 Fanshaw Street, Hoxton, sued Parke's Drug-stores, Harmood Street, St. Pancras, to recover 10*l*. damages caused by a shop-blind falling on her at the defendants' chemist's shop, 251 Upper Street, Islington. Mr. Ganzoni, barrister, appeared for the plaintiff and Mr. W. C. Done for the defence. A sum of 30*s*. had been paid into court. The plaintiff at the time of the accident was an infant and single, now she is married. After hearing the evidence his Honour gave judgment for the plaintiff for 50*s*., and costs.

Offences to the Person Act.—At the Devon Quarter Sessions, Exeter, on October 9, Charles Place (41), chemist's assistant, was indicted for unlawfully, at Cullompton on July 27, supplying Florence Phillipa Ley with a noxious drug, knowing it was intended to be used for an illegal purpose (see *C. & D.*, August 24, index folio 322). The statement on behalf of the prosecution was that the wife of a constable wrote to the defendant for "some medicine to put her right," and in reply he asked her to call, when he would do his best for her, his charge for a full-sized bottle being 10*s*. 6*d*. She called, and the medicine he gave her contained dec. aloes co. and colocynth, which, in the opinion of Mr. Thomas Tickle, Ph.C., F.I.C., the public analyst (who was a witness), would have had criminal effect in three cases out of five. Dr. Pereira, the police surgeon, also testified to the noxious nature of the mixture, and said that aloes is used by abortionists. Defendant, in evidence, stated that he is a chemist by examination of the New South Wales Pharmacy Board, and had practised as a chemist in England, first at Portsmouth for four years as a manager for the Timothy White Co., then in London, where he was dispenser to two doctors, afterwards dispenser at the Royal Victoria Hospital, Bournemouth, and the Royal Boscombe and West Hants Hospital. He volunteered his services, and was compounder for the Medical Corps attached to the 11th Brigade Field Hospital in the South African War. He afterwards became an assistant to a Tiverton chemist. He concluded from Mrs. Ley's letter that the thing was a trap, and that impression was confirmed by the interview. He thought she was fooling him, and he made up his mind to fool her; that was why he charged an exorbitant price for what cost him about 4*d*. He was fully cognisant at the time that the mixture would not have the alleged desired effect. Any chemist would have sold it to any child. Dr. C. E. Bell, Exeter, said that it was impossible that one dose of the mixture could cause abortion, nor would the whole bottle taken as directed have any effect under the supposed circumstances. He considered that the mixture was not a noxious thing within the meaning of the indictment. Dr. R. V. Solly, Exeter, agreed with the evidence of Dr. Bell. Mr. Lawrance, for the defence, contended that the matter was a police trap. He said also that it has been laid down by the highest authority that if the accused knew that the drug was not noxious he could not be held to be guilty. Mr. Hawke, in reply, said that there are some offences which cannot be detected unless lies are told. The jury acquitted the prisoner, who was accordingly discharged.

Chemist's Manager's Notice.—At the West London County Court, before Sir W. Lucius Selfe, on October 8, Edward Aspden, chemist and druggist, Windsor Road, W., sued Thomas Wm. Cleave, chemist and druggist, 121 High Street, Notting Hill, for 12*l*., being one month's salary alleged to be due. Mr. Blackwall, barrister, said the plaintiff and defendant got into communication through an advertisement in The Chemist and Druggist in April 1912, and, discussing the terms on which he was to be engaged as manager of one of defendant's shops in St. Mary's Road, Ealing, plaintiff was asked to put 100*l*. into the business, in the conduct of which his salary was to be 12*l*. a month. Plaintiff replied that he would be willing to do so if after a short experience he was satisfied with the condition of the business. He entered on his duties on May 27, and on

June 27 he informed the defendant that he declined to put the 100*l.* into the business. Later in the same day plaintiff received a letter from defendant asking him to "make arrangements to leave my employ one month from last Friday, June 24." Plaintiff's engagement terminated in the ordinary course on the 19th, being four weeks from the date when he received his first month's salary. In reply to the defendant, plaintiff agreed to remain on on the Saturday, the 25th, and he attended at the shop at the usual time on the following Monday, then went into the City on some of the shop's business and some of his own, reaching the shop at 10.15 A.M.; the usual time for his being there was 9.30 A.M. In the afternoon the defendant came to the shop, and when asked for the month's salary by the plaintiff, he was told to "vindicate his claim." The plaintiff, in evidence, corroborated this statement, and was cross-examined by Mr. Mackie, for the defendant, as to financial matters, and the law as regards the management of chemists' shops. Witness, in reply to the question "Is it legal to carry on a chemist's business without a qualified person being in attendance?" said "It is not legal." "In spite of that," Mr. Mackie remarked, "you have sometimes been away on your own business knowing that there was no qualified assistant on the premises?" "Only for a short period, for dinner or tea," replied the witness. Evidence was also given by Reginald Matthews, an assistant at the shop, William Shadbolt, the errand-boy, and Herbert G. Rowe, photographer. Mr. Robert Henry Solomon, wholesale druggist, who had had thirty years' experience in the trade, testified that a "month's notice" meant on the day in the following month corresponding with the date of the notice. Answering his solicitor, defendant said that he had made no charge of dishonesty against the plaintiff, but he was not satisfied with the manner in which he conducted the business. He claimed that plaintiff's notice expired on the 24th, as that was his impression of the custom in the trade—the notice expired on the corresponding day of the following month. He told plaintiff, when he said he could not put in the 100*l.*, that he was thoroughly dissatisfied with his services. His Honour gave judgment for the plaintiff, with costs.

Sale of Food and Drugs Acts.

Self-raising Flour.

At Brentford Petty Sessions on October 8, J. W. Mortimer, trading as the Richmond Flour Co., Mortlake, was summoned for selling self-raising flour containing 1 per cent. of calcium sulphate. Mr. R. A. Robinson, prosecuting for the Middlesex County Council, explained that the acid ingredient which, with sodium bicarbonate, is added to flour to make it self-raising, was in this case calcium acid phosphate, and must have contained 36 per cent. or more of calcium sulphate, introduced in the process of treating bone-ash with sulphuric acid. Self-raising flour, according to Dr. Hamill's report to the Local Government Board, should not contain more than 0.2 per cent. of sulphate. The sample in question had been taken by an inspector in course of delivery to a retail grocer in Middlesex; the County Council preferred to summon the manufacturer rather than the retailer. Defendant pleaded guilty, and said that he had been unaware that the phosphate he was using was impure. He was fined 1*l.* and costs.

Mr. Robinson withdrew a summons issued against the same defendant under the Merchandise-marks Acts in respect of the application of a false trade-description to the self-raising flour—namely, the words "absolutely pure."

Olive Oil.

On October 10, at the Mansion House, London, E.C., before Alderman Sir Vansittart Bowater, Henry Lamplough, Ltd., 113 Holborn, was summoned under Section 6 of the 1875 Act for selling on August 28, to the prejudice of the purchaser, olive oil which was adulterated with 50 per cent. of arachis oil. Mr. T. G. Vickery (Assistant City Solicitor) appeared on behalf of the City Health Department. Mr. C. H. T. Kirby, for the defendants, pleaded "Not guilty," and relied on the warranty.

Mr. Vickery said Thomas Hussey May, in the ordinary way of his duty as inspector under the Act, obtained from the company's branch shop at 42 Fenchurch Street a sample of olive oil which on analysis proved to be composed of 50 per cent. olive oil and 50 per cent. arachis oil—a nut oil of a cheaper description. He had been given notice of warranty, but it was for the defence to satisfy the Court that this warranty referred to the article sold on the day in question.

George Pardoe, assistant to Mr. May, gave evidence of the purchase. The bottle was labelled "Finest Olive Oil." Inspector Hussey May deposed that he received the bottle containing the oil from Pardoe. He informed the chemist for what purpose it had been purchased, and divided the sample into three parts—one he handed to the chemist, one he submitted to the public analyst, the third he produced there that day. The public analyst's report put in showed the oil to have been adulterated as stated on the summons.

By Mr. Kirby: Witness did not know that in Evans' list for October the best nut oil was quoted at 6*s.* per gal., the best olive at 10*s.* 9*d.* Witness said he was not aware that arachis oil is official in India and other places and can be used as a substitute for olive oil in making ointments, plasters, and liniments. By Mr. Vickery: Witness knew that arachis oil was not mentioned in the British Pharmacopœia. It was, he believed, an inferior oil used in soap-making—and he was told it went rancid quickly.

Dr. Collingridge, called at the request of the Alderman, said arachis oil was not in any way injurious to human health.

Mr. Kirby submitted that under Section 25 of the 1875 Act his clients were freed from responsibility in this matter, inasmuch as they obtained a warranty with the oil and sold it as they received it, and had no reason to believe when selling it that it was otherwise than pure olive oil. The warranty put in was an invoice from Messrs. Jules Denoual & Co., Carlton Works, Asylum Road, Peckham, and was "5-lb. bottle of olive oil, B.P., 7*s.* a gallon," and Mr. Kirby said in case it was material he had procured from that firm the original order from the defendants.

Mr. Vickery said he would admit that "B.P." constituted a warranty, but it remained for Mr. Kirby to connect the purchase with the oil received from this firm.

Mr. Charles Horne, chemist and druggist, manager of Lamplough's branch establishment, gave evidence as to serving the oil in question—it was from the bottle received from Messrs. Denoual, they had no other on the premises. It could not have been tampered with by anybody without his knowledge, and he served it exactly as received. It was their first purchase of olive oil from that firm, though for other goods they had dealt with them for fifteen years. It was a well-known firm of good reputation, and there had never been any complaints of the articles they supplied. When he sold this oil he believed it was pure olive oil.

Mr. Kirby wished to put in a letter from Messrs. Denoual, who wrote that they believed the olive and arachis oils had been mixed by an employé, but the Magistrate held this was not evidence. Sir Vansittart held that sufficient warranty had been given—the words "B.P." on the invoice produced constituting that warranty. At the same time he felt in such cases it would be well for chemists to satisfy themselves; it was not like buying oil at a grocer's shop, you expected to get at a chemist's the genuine thing. Summons dismissed.

DEED OF ARRANGEMENT.

Betts, Alick Stephen, trading as John Betts & Son, The Thoroughfare, Woodbridge, Suffolk, Chemist and Druggist.—Trustee: J. S. Bird, 24 Martin's Lane, Cannon Street, London, E.C. Dated, September 30; filed, October 7. Secured creditors, 35*l.*; liabilities unsecured, 1,857*l.*; estimated net assets, 820*l.* The creditors include: Barclay & Sons, Ltd. (92*l.*); The British Drug Houses, Ltd. (27*l.*); Idris & Co., Ltd. (15*l.*); S. Maw, Son & Sons (20*l.*); F. Newbery & Sons, Ltd. (13*l.*); Willows, Francis, Butler & Thompson (13*l.*); W. Cooper & Nephews, Berkhamsted (42*l.*); M. A. Betts, Leicester (960*l.*).

Sir James Young Simpson, Bart., was daily on the track of something new; not courting novelty for its own sake, but as an advance in the progress of the art he loved.

MARRIAGES.

Hickey—Warden.—At St. Mark's, Battersea Rise, S.W., on October 6, Horace Seymour, youngest son of Mr. Harry Hickey (Parke, Davis & Co.), to Violet Elsie, daughter of Mr. J. Warden, Attenburgh Gardens, S.W.

Paterson—Fuller.—At St. Botolph's Parish Church, Northfleet, on October 2, Councillor G. Paterson, chemist and druggist, 5 Dover Road, Northfleet, and Woodville Gardens, Gravesend, to Olive May, eldest daughter of Mr. W. J. Fuller, High Street, Northfleet.

Quayle—Parker.—At the Fairfield Presbyterian Church, Liverpool, on September 30, Walter C. Quayle, town representative of Messrs. Henry Jackson & Sons, druggists' sundriesmen, Liverpool, to Beatrice, youngest daughter of Mr. John Parker, Newsham Park, Liverpool.

Silver Weddings.

(Reprints of announcements in the *C. & D.*, October 22, 1887.)

Hendry—Mann.—At St. John's Episcopal Church, Greenock, on the 11th inst., by the Rev. John Trew, B.A., Robert Love Hendry, chemist and druggist, Edinburgh, to Eliza Barbara, only surviving daughter of the late Samuel Mann, shipmaster, Greenwich.

Saunders—Mearns.—At Beech Street Presbyterian Church, Liverpool, by the Rev. R. H. Lundie, William Hill, second son of A. H. Saunders, Esq. (Ayrton & Saunders), to Elizabeth Mary Maxwell, second daughter of the late Captain William Mearns.

DEATHS.

Biggs.—On September 30, Jane Clarissa, wife of Mr. F. Biggs, chemist and druggist, 25 Aylesbury Road, Swansea, aged eighty-eight.

Bowler.—At Belper, on October 6, Arabella, the beloved wife of W. S. Bowler, chemist and druggist, aged sixty-two.

France.—On October 4, Mr. Joseph France, chemist and druggist, aged sixty-six. Mr. France, who carried on the business of a manufacturing and wholesale chemist at Westgate, Rotherham, Yorks, was for many years a prominent Churchman and Freemason.

Heron.—At 3 Merchiston Terrace, Merchiston Avenue, Edinburgh, on October 1, suddenly, Mr. James Heron, Ph.C., formerly of Messrs. Duncan, Flockhart & Co., aged seventy-six. Mr. Heron was second youngest son of Mr. John Heron, farmer, in the parish of Logie Buchan, Aberdeenshire, where he was born on October 30, 1836. He was apprenticed to Mr. Charles Davidson, apothecary and druggist, Exchequer Row, Aberdeen, in 1852, where he served for five years. During his apprenticeship he attended classes at Marischal College, Aberdeen, and took the first prize in chemistry in the session of 1855-56. At that time Edinburgh and London were the natural outlets for Aberdeen chemists' apprentices, so Mr. Heron found himself about 1857 in Edinburgh, when he became an assistant with Messrs. Duncan & Flockhart, at 139 Princes Street, and was one of the group of young men who in the early 'sixties were making pharmaceutical history in Edinburgh. He attended Professor J. H. Balfour's botany lectures in 1860, and passed the Major examination in November 1868. In the following year he became a partner in the firm of Duncan, Flockhart & Co., and for many years, until his retirement, he was to be seen daily at the front counter of 139 Princes Street, of which pharmacy he had charge, latterly in association with Mr. Alexander Noble. There he became known to more than one generation of medical consultants in the West-end of Edinburgh, and by them he was greatly esteemed. Mr. Heron retired from business on December 31, 1907. He rarely took part in pharmaceutical or public affairs, but he was a member of the Edinburgh Merchant Company and an elder of the Morningside United Free Church. He was one of the most kindly of men, quiet and unassuming, but painstaking in business and appreciative of the importance of the pharmacy at 139 Princes Street, in which he spent the greater part of his life. He had a sudden attack of illness on Friday, September 27. By his doctor's advice he remained in bed for two days, and by Tuesday of last week he seemed to have completely recovered from the attack, but on that evening, just after ten o'clock, he passed suddenly away, from heart failure. He is survived by a widow and two daughters. The funeral took place at Dean Cemetery on Friday, October 4, and among those present were Mr. Heron's former partners, Mr. Robert Dick, Mr. Alexander Noble, Dr. Inglis Clark, and Mr. Andrew Hunter, as well as Mr. William Forsyth, manager of the North Bridge Pharmacy (Mr. J. L. Ewing is at present in South Africa on holiday). Also present were Mr. C. F. Henry, of Edinburgh, and Mr. W. F. Hay, Aberdeen (former assistants under Mr. Heron), Dr. Burn Murdoch, Mr. R. R. Simpson, and Mr. J. Rutherford Hill. A former member of the Princes Street staff writes:

Mr. James Heron.

Mr. Heron's sudden death has come as a great shock to me. Only two weeks ago I heard from a mutual friend that he was enjoying his well-earned rest with his wonted quiet dignity. I first came in contact with Mr. Heron in the autumn of 1878, when I applied to D., F. & Co. for a berth, and at the personal interview it was Mr. Heron who saw and engaged me. That was the beginning of a connection with the famous Edinburgh firm which lasted for many years. Six months after joining the staff I passed the Minor, but before that time I had been promoted to the post of night assistant. We opened the pharmacy, 139 Princes Street, at 7 A.M., and the two night hands were free from 9 to 11 A.M. I took advantage of these two hours to attend the class in practical chemistry at Surgeons' Hall, which was then conducted by Dr. Stevenson Macadam. To the work then done is due not a little of what success has come to me, and for the opportunity of doing that work I owe a debt of gratitude to Mr. Heron, who encouraged me in every way possible and gave me special facilities for attending the classes. Mr. Heron was a model employer. He preached punctuality and attention to business by example, and never did I hear him reprove an assistant further than by flashing a look at him from beneath the shaggy eyebrows which were at that time one of his characteristic features. Invariably at 9.5 A.M. he took his place behind the front counter in a frock-coat and a spotless white apron, which was the fashion in those days. Quiet and unassuming, the pink of courtesy alike to duke's son and cook's son, he had a perfect manner to the customers, and the great West-end doctors of those days—Grainger Stewart, Heron Watson, Rutherford, Simpson, and others of distinction—invariably sought Mr. Heron when they wanted advice on matters of pharmaceutical interest. He was a tremendous worker, and his example was contagious. Few establishments were kept up to the concert-pitch like "139." A man of high religious character, Mr. Heron was honour and honesty personified, and his many kindnesses, done so unobtrusively that no one save the recipient ever heard of them, will keep his memory green in the hearts of hundreds of his sorrowing friends.

Inglis.—On September 9, Mr. William Inglis, chemist and druggist. Mr. Inglis was for some years in business at Lydenburg, Transvaal, but removed to Pilgrims Rest three years ago, where he died from pneumonia. Mr. F. T. S. Jennings purchased his Lydenburg business. Mr. Inglis was extremely popular and very highly respected in the little mining camp on the Drakensburg Mountains, and his early death is deplored by a large circle of friends. He was an assistant in Edinburgh when he passed the Minor examination in 1895, and it was thereafter that he went out to South Africa. He revisited his old home in Scotland two years ago. He was a bachelor and about forty years old.

Jackson.—On October 4, Mr. George Jackson, chemist and druggist, Neston, near Chester. Mr. Jackson was postmaster at Neston for over thirty years, and at first carried on a chemist's business as well. He retired a short time ago. A widow and five children survive him.

MacNaught.—At Glasgow, on October 4, Jane Wyllie, widow of Mr. Archibald MacNaught, chemist and druggist, Greenock.

Neathercoat.—At 13 Grove Road, Willesden, London, N.W., on October 4, Mr. Harry William Neathercoat, chemist and druggist, aged forty. Mr. Neathercoat, who died after a twelve days' illness, was apprenticed to Mr. W. Lincolne, of Ely. He passed the Minor in 1894, and soon afterwards opened at 60 Denmark Hill, London, S.E. In 1908 he opened another business at the Waldorf Pharmacy, 13 Aldwych, London, W.C. He was a brother of Mr. E. T. Neathercoat, Ph.C., of Weybridge.

O'Neill.—At Main Street, Maghera, on October 2, Annie, wife of James E. O'Neill, J.P., registered druggist. The funeral took place on October 4 at Glen Cemetery.

Peckolt.—The death at Rio de Janeiro is announced in his ninety-first year of the distinguished botanist, Dr. Theodor Peckolt, whose work in the Brazilian flora is well known. He was a pharmacist, and was created Court Apothecary to the Emperor Dom Pedro II. in 1867. He was corresponding member of several scientific European societies, including the Pharmaceutical Society of Great Britain, and in his lifetime received many distinctions and orders.

Scott.—Recently, after five weeks' illness, Ada, wife of Mr. William H. Scott, chemist and druggist, the Medical Hall, Sandy, Beds, aged forty-five.

Shields.—At 2 Langthorne Street, Fulham, London, S.W., on September 28, Mr. Robert James Shields, late of Mexborough, Yorkshire, aged seventy-two. Mr. Shields was apprenticed to Mr. Aslin at Sunderland in 1853, and was afterwards assistant to Messrs. Scawen & Wortley, Durham, for whom he subsequently travelled for a period. In 1870 he purchased the business of Mr. Knowles in High Street, Mexborough, and a few years later bought a property on the opposite side of the road, to which he removed his business. About nine years ago he sold the High Street premises and built a shop in Main Street, but after carrying on the business for a year or two, decided to retire, and sold the business to Mr. D. T. Jones, chemist and druggist. Mr. Shields was an ardent photographer, having taken up the art in days of wet plates, and as a result of his early experiences seldom wasted a plate in his later years. He had a fine collection of photographs of antiquarian interest consequent upon his passion for historical churches and ruins. Although out of business he had by no means lost interest in the craft, making friends with several pharmacists in Fulham and keeping himself well posted in all that concerned pharmacy.

Wood.—At Saltaire, Yorks, recently, Mr. James Wood, chemist and druggist, Lynwood Cottage, Hinderwell, near Whitby, aged seventy. Mr. Wood was in business at Peel Street, Barnsley, until his retirement. He was in good health until a few days before his death, when he contracted a chill. He leaves a widow, two sons, and four daughters.

WILLS PROVEN.

Mr. Thomas Jenkins, 142 High Street, Portmadoc, chemist and druggist, who died on August 17, left estate valued at 3,143*l.* 14*s.* 4*d.* gross, of which 2,373*l.* 17*s.* is net personalty.

Councillor William Randal Clarke, 20 Deacon Road, Widnes, Lanes, manager for eighteen years of the United Alkali Co.'s works at Widnes, who died on September 3, intestate, left estate valued at 817*l.* 8*s.* 5*d.* gross, with net personalty 66*l.* 0*s.* 3*d.*

Bottles for Bombay.—The case of Johanigman Bros., Ltd., *v.* Tulloch was heard by Judge Lumley Smith on Thursday. It was about bottles for toilet articles sent out to Bombay, which were found not to be according to sample, it was alleged. His Honour thought the defendants were right in rejecting the goods, but is considering his decision.

PERSONALITIES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

Mr. T. W. Garland, Market Place, Cannock, has succeeded Mr. John as pharmaceutical representative on the County Insurance Committee.

Mr. Thos. Jackson Foggitt, C.C., chemist and druggist, Thirsk, has been placed on the Commission of the Peace for the North Riding of Yorks.

Mr. W. Yates, of Shaw, Vice-President of the Oldham Pharmaceutical Association, has been re-elected President of the Crompton Tradesmen's Association for the third time.

Mr. W. H. Gibson, F.C.S., Treasurer of the Pharmaceutical Society, has been elected a member of the committee of the newly formed Chamber of Commerce for Brighton and Hove.

Mr. Henry Thomas, chemist, Croydon, Queensland, has arrived in England after an eight weeks' journey. On this occasion he had a rough two-day coaching over the mountains to Cairns, thence by steamer to Sydney.

Mr. Samuel Kay, J.P., Stockport, was the recipient of many hearty congratulations on September 30 when he attained his eightieth birthday. The employés of Kay Bros. were given a whole day's holiday in celebration of the event.

In the recent Cambridge University examination for senior students, Lewis H. Boyce, aged sixteen, son of Mr. Herbert Boyce, pharmacist, New Cross, London, S.E., obtained second-class honours and first place in the geography distinctions.

Mr. W. H. Parker, head of Messrs. Burroughs Wellcome & Co.'s shipping and transport department, Snow Hill Buildings, London, E.C., has been presented with a handsome gold watch in acknowledgment of the completion of twenty-one years' service with the firm.

Mr. J. H. Lloyd, son of Councillor H. M. Lloyd, chemist and druggist, Merthyr, has passed the Intermediate Science examination at the University of Birmingham, and his sister, Miss E. Constance Lloyd, has passed the Intermediate Arts examination at the University of Wales.

At a meeting of the Governors of the Royal Albert Memorial, Exeter, on October 7, Mr. Henry Gadd, J.P., was reappointed for three years representative of the College upon the governing body of Hele's School, Exeter. His son, Mr. H. Wippell Gadd, F.C.S., barrister-at-law, is a newly appointed governor.

Mr. E. Grant Hooper, F.I.C., F.C.S., Superintending Chemist, Government Laboratory, Clement's Inn, London, has been appointed Deputy Government Chemist in succession to Mr. H. W. Davis, F.I.C., F.C.S., who has retired. Mr. Hooper commenced as an assistant in the Government Laboratory in 1878 after studying at the Royal College of Science under Sir Edward Frankland, where he greatly distinguished himself. Mr. Hooper has been a prolific writer on chemical subjects, and assisted the late Sir James Bell, F.R.S., in the preparation of his book, "The Analysis and Adulteration of Food."

Mr. E. Grant Hooper.

Mr. Hooper's advancement in the Government Laboratory has been steady, and he has tackled very varied subjects. Thus when the malt-tax was abolished he studied the chemistry of brewing, lectured on that subject on behalf of the City and Guilds of London Institute, and in 1882 wrote a "Manual on Brewing." He took charge of the

non-revenue part of the business of the Government Laboratory in 1892, and when the Royal Commission on arsenic in food-substances was taking evidence, he carried out many important investigations for the Commission. Mr. Hooper is one of the most familiar figures at Burlington House meetings, having been connected with the Chemical Society since 1888. He was a member of the Council in 1907-8, he has also been a Vice-President of the Institute of Chemistry and the Chairman of the London Section of the Society of Chemical Industry, and is at present a Vice-President of the last-named body.

Mr. John Jarvis, of the Pharmacie Swann, Paris, has just returned from a visit to the United States and Canada. He crossed the Atlantic to attend the International Congress of Applied Chemistry at Washington and New York, and was the only Anglo-French pharmacist present at that important gathering.

Mr. John Boot, son of Sir Jesse and Lady Boot, has been attending the International Congress of Chambers of Commerce at Boston, Mass., U.S.A., as a delegate of the Nottingham Chamber of Commerce, and is now making the tour of the country arranged by the Boston Committee. Lady Boot and Miss Boot, who went out with him, are returning to England after a round of visits to friends.

Sir Thomas Robinson (Hayes, Conyngham & Robinson, Ltd., Dublin), Mr. E. Carpenter (H. Hodder & Co., Ltd., Bristol), Mr. E. Thompson (Thompson & Capper, Ltd., Liverpool), and Mr. James B. Francis (Wrexham) arrived at Liverpool by the *Mauretania* on Monday, October 7, from their visit to St. Louis, U.S.A., as the guests of the United Drug Co., whose annual Convention there on September 17 they attended.

TRADE NOTES.

Cupal Emulsion.—Cupal, Ltd., Blackburn, insert a notice in this issue regarding their cod-liver-oil emulsion, the quality of which the company state has been assailed. These insinuations are met by a two years' guarantee.

Freeman's Chlorodyne, Ltd., London, S.E., now have a registered telegraphic address—namely, "Chlorodyne London." They will be glad to send a copy of their new showcard to any of our readers who send them post-card application.

Verox.—A fluid beef "all beef, all British," is placed on the market by Tooth's Extract of Meat Co., 12 Duke Street, London, S.E. In the company's advertisement in this issue attention is drawn to the advantages of stocking and selling Verox, and an offer is made to supply particulars of a special advertising scheme.

Christmas Postcards.—Rajar, Ltd., Rajar Works, Mobberley, have just issued a series of sensitised postcards which have upon the front Christmas and New-year greetings. There is considerable demand for such cards, as many people prefer to give their greeting-cards a personal touch by printing upon them a portrait or favourite view.

Griffin's Bromide Paper.—Messrs. John J. Griffin & Sons, Ltd., Kingsway, London, W.C., have added a new variety to their bromide papers. This is known as "chamois satin bromide," and is coated on a delicate cream base. Prints made on this paper and toned in the popular sulphide bath give results which imitate sepia carbons on toned mounts. The price of this variety of paper is the same as the others of the series.

Messrs. Prichard & Constance (Wholesale), Ltd., are opening a West-end showroom at 40 Old Bond Street, London, W., where there will be a permanent display of their elegant "Amami" preparations. The firm are also negotiating for the factory in Holloway Road lately occupied by Messrs. Fletcher, Fletcher & Co., Ltd., the premises at 71 Newman Street, W., taken over with the business of Dion, Ltd., in 1911, not being large enough to cope with the increasing output. The directors, Messrs. T. W. Theakston and R. H. Brittain, have made a reputation regarding the creation of original productions for chemists "own name" articles, and it is the expansion of this side of their business which largely necessitates new manufacturing premises.

"Capsogen" is the name of a new cotton-wool preparation of capsicum for rheumatism, which Messrs. Southall Bros. & Barclay, Ltd., Saltley, Birmingham, have put on the market. It is cotton-wool encased in gauze, the whole being saturated with a preparation of the rubefacient principles of capsicum without the fatty matter, and it forms a most convenient and durable application (either wet or dry) for rheumatism or allied troubles. It is noticeable that the gauze which covers the wool is double, so that the edges as well as the surface are encased; hence, we presume, the supplementary distinctive name, "Sleevula." The packet which we have received is price 1*s.* 1½*d.*, and it is attractive. Messrs. John Timpson & Co., Ltd., London, are also wholesale agents for it.

Calendars for 1913.—Messrs. Ford, Shapland & Co., 6 Great Turnstile, High Holborn, London, W.C., send us samples of the calendars for 1913 which they are supplying for chemists' distribution. These cover a wide range of requirements from the purse-size calendar to the wall calendar. The following are the data regarding the kinds and sizes:

Card calendars, four pages, 2¾ in. by 2 in.

Pocket almanack, thirty-two pages and attractive cover, 3¼ in. by 2¼ in.

Blotter calendar, printed in colours, blotter at back, 4½ in. by 9½ in. oblong.

Illustrated almanack, twenty pages, printed in colours throughout, 7½ in. by 5 in.

Picture calendar, a hanging calendar of dark colour with landscape in colours, monthly tear-off date-pad, 9½ in. by 6 in.

Hanging calendar in colours, four designs, monthly tear-off date-pad, 9¾ in. by 7 in.

The whole of the series is well produced, and chemists should make inquiries at once for samples, so as to ensure delivery in good time before Christmas.

Corvusine D.G.—This non-poisonous liquid seed-dressing, to which reference has previously been made in this journal, is now being prominently advertised in the principal agricultural newspapers in the United Kingdom, and as this is the period of the year when seed-drilling takes place, those chemists in agricultural districts who do not stock "Corvusine" would do well to inquire for trade terms and prices from Mr. Arthur E. Hawker, 59 Mark Lane, London, E.C., who has also issued some smart and helpful advertising literature to assist the sale. This literature includes a series of useful "follow-up" cards for distribution to customers, giving tersely the chief "points" and advantages of Corvusine. Among the successes which Corvusine has had we note that in a certain agricultural district in Oxfordshire, out of the forty awards given in the various corn classes, twenty-nine prizes were gained by users of Corvusine. This is eloquent testimony of its advantages as a seed-dressing, and as the profits to the retailer are generous the sale has been steadily increasing since its introduction four years ago.

Chemical Products, Drugs, and Medicines valued at 311,769*l.* were imported at the port of Santos in 1911, against 215,334*l.* in 1910 and 176,496*l.* in 1909.

Cheaper Spirit Wanted in Germany.—In the course of a British consular report on the commerce of Bavaria for 1911 it is stated that owing to high protective tariffs in foreign countries the colour-industry in Bavaria is losing ground; only a number of specialities could hold the market as formerly. The removal of the unfavourable state of things in the industries using spirit (especially in the varnish-industry) can only be brought about by altering the legal points of the Spirits Finance Act. The existing disproportion can best be illustrated by the fact that since the establishment of the Spiritus Centrale, export prices have mostly been about one-third of the home quotations. Thus foreign varnish-makers (says the report) were able to buy in Germany at about one-half to one-third the price German varnish-makers had to pay. The following figures afford a comparison of prices: First half of 1911, export price of spirit, m.18 per 100 litres (22 gals.), exclusive of all duties, against an *inland* price of m.45; during the second half of 1911 the export price was m.28 and the inland price m.53, which was raised to m.56 in January 1912.

National Health Insurance.

Special Notice.

Every pharmacist in England and Wales, before replying to any communication from the Insurance Committees of their localities relating to the supply of drugs, medicines, and appliances, is urgently requested to communicate with the Local Associations Officer, 17 Bloomsbury Square, London, W.C.

Medical Benefit Regulations.

The following notice, dated October 4, 1912, was published in the "London Gazette" of October 4:

"Notice is hereby given under the Rules Publication Act, 1893, that it is proposed by the Joint Committee of the several bodies of Commissioners appointed for the purposes of Part I. of the National Insurance Act, 1911, acting jointly with the Insurance Commissioners and the Welsh Insurance Commissioners, after the expiration of at least forty days from this date, in pursuance of the powers conferred upon them by the National Insurance Act, 1911, and by the National Insurance (Joint Committee) Regulations, 1912, to make regulations as to the administration of medical benefit."

The notice is subscribed by the National Health Insurance Joint Committee, National Health Insurance Commission (England), and National Health Insurance Commission (Wales).

The views of the medical journals upon the draft medical-benefit Regulations are of interest. "The Lancet" takes a temperate view of the situation, and recommends the careful study by medical men of the Regulations. As to the attitude of the profession, "The Lancet" asks: "Will they, recognising the frankly experimental character of the Government scheme, give it a trial, if the pecuniary arrangements are satisfactory? Certainly this course should not be dismissed until after the most anxious deliberation on the very serious alternatives." The "British Medical Journal" has a note upon the supply of drugs, and in regard to the method of apportioning the payments for medical and pharmaceutical services exhibits quite a tender regard for the patient. It will have been noted that the payments for drugs is the first charge on the Insurance Commitee's medical-benefit fund, the object being doubtless to check extravagance in the use of drugs, some doctors having stated that they would make the system as costly as possible. The "British Medical Journal" states: "There is a very real danger of going to the other extreme and putting obstacles in the way of the proper use of drugs from which sick and suffering humanity can derive much benefit and relief." A reasonable suggestion is made in regard to the list of drugs:

The most practical and economical course in the long run would be to take the British Pharmacopœia, prepared and published under the authority of Parliament, with the exception, perhaps, of one or two items such as cod-liver oil. It would be unreasonable and impolitic to forbid the use of any drug already recognised by the State; moreover, the prices of all official drugs are governed by the ordinary movements of the market and easily ascertained, and their quality and mode of preparation is laid down in the British Pharmacopœia.

The Regulations afford plenty of opportunity for doctors to climb down from the *non possumus* attitude adopted up to the present.

The Chancellor and Medical Benefit.

Mr. Lloyd George met the non-medical representatives of the Advisory Committee—including the pharmaceutical representatives—at Caxton Hall on Friday morning, October 4, to consider the question of remuneration of medical practitioners which had been discussed on October 2 with the medical representatives (see *C. & D.*, October 5, index folio 535). Mr. Lloyd George was accompanied by Mr. Masterman, Sir Robert Morant, (Chairman of the Insurance Commissioners), and Dr. Smith Whitaker (Vice-Chairman). In the course of his remarks to the members the Chancellor said that the Government are prepared to ask Parliament to make some additional provision, but before deciding on the amount he wanted to hear the opinion of those present on the various considerations involved. Further, they would agree with him that, although, for the sake of securing the hearty co-operation of the medical profession in the provision of an efficient medical service, it might be in the general interest to provide more money than had hitherto been contemplated for the purpose, there must be a limit to what the country could reasonably be expected to find. It was conceivable that when the Government had done their best they might fail to induce the medical profession to work the Act on the lines laid down, and it was obvious that, as prudent men, the Government had had to consider what the alternative must be. He desired the advice of the Advisory Committee on this subject. A full discussion ensued. On the question of alternative methods of providing medical treatment, in the event of its being found impossible to constitute the panels satisfactorily, two main lines of organisation were suggested by various speakers, the first being that the money payable for medical benefit, including any additional grant which the Government may decide to make, should be handed over to the approved societies, to whom the provision of medical treatment and drugs should be completely entrusted. The second was that the Government should undertake the organisation of a National Medical Service, which some speakers urged should provide for the requirements not only of the insured but also of their dependants. The almost unanimous feeling of the meeting was in favour of the organisation of a National Medical Service as the preferable alternative, in the event of failure to arrive at an agreement with the medical profession on the lines of the formation of panels under the Act.

A meeting of the Cabinet was held on Monday, and it is rumoured that it was agreed to grant 1,000,000*l.* to meet the financial requirements for the medical-benefit provisions. The rumour has not yet been officially confirmed or denied.

The First Quarter's Cards.

The Manager of the Chemists' Friendly Society, 194 St. Vincent Street, Glasgow, asks us to inform those insured persons who are members of the Society that cards for the first completed quarter and Insurance books should be signed in the spaces reserved for that purpose before they are returned to him. This should not be later than October 26.

Notes.

Mr. George W. Harris, chemist and druggist, 12 Sun Street, Canterbury, has been appointed a member of the Insurance Committee for the Borough of Canterbury.

The Insurance Commissioners have decided that persons casually employed to buy samples for analysing under the Sale of Food and Drugs Acts come within the provisions of the National Insurance Act, and must be insured by the council when engaged.

The "Edinburgh Evening Dispatch" of October 3 states that "a great deal has been heard of late about doctors and the Insurance Act, but it appears that the chemists are being even more hard hit." The main grievance is given as follows:

"The chemists consider the sum of 1*s.* 6*d.* per head quite inadequate to cover medicines and medical appliances which might be required during the twelve months. Who, they ask, are they to look to for payment if more than 1*s.* 6*d.* worth of drugs is required. Supposing a chemist is chosen by, say, two dozen people as their approved chemist; his annual income from the Commissioners therefor would be 36*s.* It is pointed out that one of these insured persons might have a serious illness, which would alone require more than 36*s.* to dispense for. Can any chemist, they say, reasonably be expected to meet such a condition?"

At a representative mass meeting of Forfarshire pharmacists (constituting the panels for Dundee, Arbroath, and Forfarshire), held in Mather's Hotel, Dundee, on October 9, Mr. J. H. Thomson, a member of the Scottish Insurance Committee, presided. Mr. J. Rutherford Hill and Mr. Bennett, Arbroath, explained the position of affairs. After a short discussion it was unanimously resolved to support the action of the joint committee. A small committee was appointed to advise the chemists in their communications with the Insurance Committee.

Sanatorium Benefit Medicines.

The Yarmouth Insurance Committee has consulted the local Pharmaceutical Association in regard to a scale of prices for the medicines required in connection with sanatorium treatment for tuberculosis. The following scale of prices has been agreed upon: Ordinary mixtures, six doses, 8*d.*; eight doses, 9*d.*; twelve doses, 10*d.*; sixteen doses, 1*s.*; twenty four doses, 1*s.* 6*d.*; cod liver oil, per half pint, 9*d.*; pint, 1*s.* 3*d.*; malt and oil, 1*s.* per lb.; 2 lb., 1*s.* 8*d.* The prices include delivery.

Mr. W. S. Glyn-Jones, M.P., Chairman of the County of Middlesex Insurance Committee, in his report to the monthly meeting on October 7, stated that up to the present time forty five applications for sanatorium benefit had been received, including ten from uninsured persons. Twenty three had been recommended for treatment in sanatoria, twenty had been placed in Clare Hall, and two had been recommended for dispensary treatment. Arrangements have been made which should ensure admission into the sanatorium within seven days if there is no delay on the part of the patient or his friends.

A meeting of the chemists of Wandsworth and Putney was held on October 9 at the Town Hall, Wandsworth, for the purpose of discussing the scheme of the Insurance Committee for dispensing the sanatorium benefit. The following were present: Messrs. J. W. Ward, W. J. Evans, E. A. Atkins, T. T. Hoare, G. Anderson (Boots, Ltd.), A. Thomson (Durban, Ltd.), J. Kell, Wandsworth, L. P. Amort, Thos. Evans, and J. G. Gordon (Putney). Mr. H. T. Eaton (Streatham) was present as a visitor. Mr. J. Kell was elected Chairman and Mr. Thomas Evans Secretary. The Chairman stated the scheme, which is one for the dispensary treatment of tuberculosis. After discussion, resolutions were passed unanimously that:

"A uniform scale of charges be made and adhered to by all registered chemists in Wandsworth and Putney that no scales, jars, and containers be charged for, and that no prescriptions and medicines be entered under the scheme in excess of those specified and supplied by the Insurance Committee or Company, except under medical arrangement."

The meeting also discussed the question of charges and agreed to a uniform rate. The Chairman mentioned the proposed formation of a South West London Chemists' Association. The resolutions were ordered to be sent to the Insurance Committee, the District Insurance Committee, and the medical officer of health.

BUSINESS CHANGES.

Notes for this section sent to the Editor should be authenticated, and must not be in the nature of advertisements.

Taylors' Drug Co., Ltd., have opened business premises in the new Arcade Parade, Commercial Street, Halifax.

Mr. A. G. Gamble, chemist and druggist, has vacated his premises in High Street, Gravesend, which are being converted into a bank.

Mr. W. G. Williams, chemist, Watling Street, Llanrwst, is leaving shortly for Nevin, where he has acquired business premises.

The new up to date pharmacy of Mr. C. A. Noble, chemist and druggist, in Golders Green Road, Golders Green, was entirely fitted by Sangers'.

Mr. W. Hallgarth, the Market Place, Thorne, near Doncaster, is retiring from the drug trade. The fittings and part of the stock have been offered at auction.

The fixtures, fittings, and stock of Mr. Rowland Smith, chemist and druggist, 32 The Square, Retford, are to be disposed of by auction under a deed of assignment on October 17.

Evans' Drug Stores, Ltd., are opening at Talgarth, Breconshire. The business will be under the management of Mr. D. Thomas, chemist and druggist, late of the Medical Hall, Talgarth.

Mr. A. S. Thompson, chemist and druggist, of 162 Regent's Park Road, London, N.W., has removed to new premises in the same thoroughfare. The fittings were carried out by Sangers'.

WESTMINSTER WISDOM.

The Week in Parliament.

The Session Reopened

on Monday afternoon, October 7, when there was a fair attendance of members in the House of Commons.

The Railways Bill.

The President of the Board of Trade informed Mr. C. Bathurst, M.P., in the House of Commons on Tuesday, October 8, that he is unable at present to name a date for the second reading of the Railways Bill, but that, in view of the multiplicity of interests involved, due notice would be given to all parties.

Gas Companies and Chemicals.

Our Parliamentary correspondent is informed that some little time is likely to elapse before the appointment of the promised Joint Select Committee which is to inquire into the whole question of the manufacture by gas companies of residual by-products. It is considered doubtful whether the *personnel* of the committee will be made known for several weeks.

Health Insurance.

Mr. Masterman announced on Wednesday that the number of Insurance stamps sold up to the last day for which figures are available was 174,545,448.

Sir Norval Helme, M.P., asked the Chancellor of the Exchequer on Thursday whether, in view of the general desire throughout the country to secure a settlement of the scale of remuneration for medical services under the Insurance Act, he will consider, on the request being made, the appointment of a Select Committee to take evidence and report as to what would be adequate remuneration for medical benefit. Sir Norval received a letter on Wednesday stating, in which he said that as negotiations are so far broken off between the doctors and the Government, it seems desirable, in the interests of the public, that an end should be put to the present impasse. A desire exists that a way may be found to form a correct estimate of the situation, so that a solution may be speedily arrived at. The Chancellor replied that he could not accept the suggestion of a Select Committee, as it would not report in time to be effective.

Mr. Lansbury has put down the following question for Monday, October 14:

To ask the Secretary to the Treasury with reference to the provisional regulations as to the administration of medical benefit under the National Insurance Act and dated October 2, 1912, whether it is intended that each local Insurance Committee shall fix each year a round sum to be paid for medical benefit, which is not to be exceeded, and out of which the payments for ordinary medical treatment, the payments for special services by the doctors, and the payments for drugs and medicines are alike to come; whether it is intended that, when a capitation fee or a rate of payment per visit has been agreed on, the medical practitioner will not necessarily get that fee or that rate, but only such a proportion thereof as the total sum arbitrarily fixed by the local Insurance Committee for the various items of expenditure will allow; whether he is aware that, under such circumstances, the medical practitioners will find themselves getting a smaller annual remuneration whenever the sickness of the year has necessitated a larger outlay on drugs and medicines, so that, for instance, when an influenza epidemic involves more quinine than usual, the medical practitioners will find their incomes reduced; whether he is aware that such an arrangement is in contravention of the spirit of Section 15 (5), proviso (ii), which was intended to prevent the medical practitioner from having any pecuniary interest in stinting the supply of expensive drugs; whether he is aware that the arrangement is calculated to restrict the calling in of consultants in serious cases, as the cost of their fees will, in effect, have to be borne by the ordinary medical practitioners themselves; whether he will explain on what basis the local Insurance Committee can, or will be instructed or advised to, fix the total sum to be paid in respect of medical benefit if, as explained, this is expected to be less than the aggregate of the sums payable to the medical practitioners for fees and extras at agreed rates and for drugs and medicines at agreed prices; and whether he will arrange that the House shall have an opportunity of discussing the terms to be made for medical benefit before these are approved by the Commissioners.

The Patent-medicine Committee.

No arrangements (writes our Parliamentary correspondent) have yet been made for summoning a meeting of the Select Committee on Patent Medicines. It was announced on Monday that the Chairman and Lady Norman had arrived from Italy at the Château de la Garoupe, Antibes, and Sir Henry was in the House of Commons on Wednesday evening. It is understood that Sir Joseph Beecham is to give evidence on behalf of the Proprietary Articles Section of the London Chamber of Commerce, of which section he is Chairman. Other important witnesses are also to be heard, such as Mr. John Morgan Richards, Mr. John Lawson, Ph.C., and Mr. E. J. Parry, B.Sc., F.I.C., who is the technical adviser of the Sectional Committee Mr. Hodge has resigned his seat on the Select Committee on Patent Medicines, and is to be replaced by Mr. O'Grady, another member of the Labour party.

The Dangers of Celluloid.

The Home Secretary has appointed a committee to inquire and report as to the precautions necessary in the use of celluloid in manufacture and the handling and storage of celluloid and celluloid articles. The members of the committee are: The Earl of Plymouth (Chairman), Professor James J. Dobbie, F.R.S., Principal Government Chemist; Captain Maurice B. Lloyd; Mr. H. M. Robinson, Deputy Chief Inspector of Factories; and Mr. Edwin O. Sachs, Chairman of the Executive of the British Fire Prevention Committee.

In the House of Commons on Wednesday the Home Secretary mentioned the appointment of the committee in reply to a question by Mr. Evelyn Cecil. Mr. J. Rowlands asked whether the committee would get to work at once, so that they might have a speedy decision as to the alterations which were requisite.—Mr. McKenna: "Oh, yes."

Our Parliamentary representative says it is understood that among the questions that are likely to engage the attention of the committee are the advisability of keeping a register of celluloid factories, and the allegation that many of the establishments where celluloid is used are not so described.

The Shops Act, 1912.

The following are brief particulars of recent local arrangements:

Aberystwyth.—The Town Clerk, in reporting to the Town Council *re* early-closing day, said that all the tradesmen had agreed upon Wednesday at one o'clock except chemists and hairdressers. Chemists asked that no prescribed half-holiday be arranged. Alderman Wynne said that pharmacists were now willing to close at 1 P.M. on Wednesdays. The Town Clerk said that the decision must be a recent one; there was no representation to that effect The other closing hours which the chemists suggested were from October 1 to June 30 at 8.30 P.M. on all weekdays except Saturday at 10 P.M., and total exemption from July 1 to September 30.

Bishop's Stortford.—At a meeting of the Urban District Council last week a discussion took place as to the effect of making a closing order for chemists' shops. Some of the councillors were of opinion that such an order would stop absolutely the supply of drugs during closing hours, while others thought that as chemists are exempted by the Shops Act they can still sell medicines. The Chairman of the Council promised to interview the three chemists of the town to obtain their views on the situation which would be created if a closing order were made.

Blackpool.—The members of the local Pharmacists' Association have decided to close at 1 P.M. on Wednesdays during the winter months, and not reopen from 6 to 8 P.M., as has been customary. On Monday, Tuesday, Thursday, and Friday evenings the closing hour is to be 8.30 P.M., and on Saturdays it is optional.

Cardiff.—The result of the ballot of tradesmen has been unsatisfactory, as many voting-papers were not returned. Closing orders will consequently be confined to comparatively few trades. Of the sixty-three chemists in the city, forty-seven (over two-thirds) voted in favour of a weekly half-holiday.

Darwen chemists have obtained a closing order for Tuesdays.

Dudoon.—The local chemists have petitioned the Town Council for an order for Wednesday half-day closing.

London.—The administration of the Shops Act in London has assumed a more definite character by the decision of the Home Office that the London County Council may delegate its administrative powers to local Borough Councils, but not its power to make closing orders. The latter provision should make for uniformity as to early-closing day. The County Council has offered to pay 75 per cent. of the cost of local administration, subject to the Council's approval of the inspectors appointed and to annual reports being submitted. The present position is that nine out of the twenty-eight Metropolitan Borough Councils decline absolutely to administer the Act. These are: Battersea, Bermondsey, Islington, Poplar, Lewisham, Shoreditch, Southwark, Stepney, and Hackney. Bethnal Green and Lambeth are prepared to administer the Act if the London County Council pay all expenses. Deptford and Woolwich decline to enter into agreements embodying the supervision of the inspectors' appointments. Finchley, Hampstead, Paddington, St. Marylebone, Wandsworth, and Westminster agreed to act as agents, but have not considered the later terms submitted by the County Council. Chelsea has adjourned consideration of the question. Holborn and Kensington have not yet considered the further terms. St. Pancras has taken no action. Stoke Newington was prepared to act as agents, but do not agree with the conditions imposed by the Home Office. Camberwell has adjourned consideration of the question *sine die*. Hammersmith has asked the London Standing Joint Committee to consider the Home Office proposal. Fulham has adjourned consideration until the County Council has considered the letter from the Home Office. Greenwich has invited the County Council to submit a draft agreement.

Newport (Mon.).—The Corporation on October 8 made an order for chemists to close on Thursdays at 1 P.M.

Retford.—The Town Council has decided to make an order for pharmacists to close on Wednesdays at 1 P.M.

Richmond.—As no objection was received to the proposed closing order for chemists for Wednesdays at one o'clock, the Town Council has sealed the order.

St. Helens.—The Town Council on October 3 issued an order for chemists to close at one o'clock on Thursdays.

Sandwich.—The local chemists having voted in favour of a closing order, the Town Council is making one for Thursdays at 1 P.M.

Southend-on-Sea.—The chemists of Southend and Westcliff have decided to close during the winter months on Mondays, Tuesdays, and Thursdays at 8.30 P.M.; Wednesdays at 1 P.M.; Fridays at 9 P.M.; and Saturdays at 11 P.M. They will open on Sundays from 6.30 to 8.30 P.M. Application for an order specifying these times is being made. In the meantime the members of the South Essex Pharmacists' Association are closing voluntarily, commencing October 7.

Torquay.—The Town Council, as the result of communications received from local chemists, has decided not to proceed with the proposed closing order respecting pharmacies.

York.—The order made by the City Council in respect of chemists' and druggists' establishments is for closing on Wednesday afternoons at 1 P.M. throughout the year.

GAZETTE.

Partnerships Dissolved.

Buck, W. H., and Chambers, C. W., Booth Ferry Road, Goole, chemists and druggists, under the name of W. H. Buck & Co.

Goodfellow, T. A., and Steinthal, W. M., West Didsbury, medical practitioners, under the style of Goodfellow & Steinthal.

The Bankruptcy Acts, 1883 and 1890.

Receiving Order.

McQuiddy, W., Lordship Road, Stoke Newington, bachelor of medicine.

Adjudication.

Wicks, J. B., Piccadilly Road, Burnley, druggist and retail medicated-wine dealer.

New Remedies.

Amphotropin.—This is a new urinary antiseptic, and is a combination of camphoric acid and hexamethylene-tetramine, of the formula $C_8H_{14}(CO_2H)_2[(CH_2)_6N_4]_2$. It forms white crystalline needles melting at 180°.

Hepatoxin is a new Japanese remedy prepared by Mr. Y. Hori from the liver of the globe-fish. It is claimed to be of use in curing leprosy. The clinical investigations are being made in the Osaka Hospital.

Hexal.—This body is a combination of one molecule of sulphosalicylic acid with one of hexamethylene-tetramine, $C_6H_{12}N_4.SO_3.H(C_6H_3)OHCO_2H$. It forms white, odourless crystals, easily soluble in water and having a taste resembling that of citric acid. It is recommended as a soluble form of exhibiting salicylic acid and hexamethylene-tetramine.

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale.

A Bolivian Storax.—The storax obtained from *Styrax Pearcei*, from Buena Vista, in Eastern Bolivia, is a more or less brittle mass, of acid-value 96.6 and ester-value about 100. It smells like a mixture of benzoin and storax, and contains 0.3 per cent. of vanillin. It also contains benzoic acid, cinnamic acid, and a new resinotannol, boliresinotannol. This last-named body is not identical with the resinotannol of Sumatra benzoin.

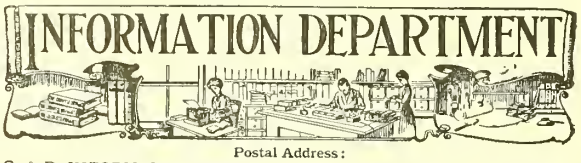
Adulterated Gentian-root.—Bruchausen ("Apotheker Zeitung," 1912, 754) draws attention to the adulteration of powdered gentian-root with ground coconut-shells. A microscopic examination will easily reveal the presence of this adulterant, and when it is identified an approximate quantitative determination may be made by estimating the water-soluble extractives. Three grams of the powder is heated with 100 c.c. of boiling water and well shaken until cold, when the volume is adjusted. Twenty c.c. of the filtrate is dried to constant weight. Pure gentian-root yields from 30 to 40 per cent. of water-soluble extract, while ground coconut-shells yield only a minute amount. Commercial samples were found to yield only about 20 per cent. of extract, so that they were adulterated to the extent of at least 30 per cent.

Insect-powder.—Linke ("Apotheker Zeitung," 1912, 776) has examined a number of samples of genuine insect-powder ground from the closed flowers of either *Chrysanthemum cinerariæfolium* or *C. roseum*, and gives the following results (per cent.):

	Ether extract	Loss at 105°	Ash
1	4.28	9.08	7.04
2	—	10.72	5.83
3	5.48	9.64	7 52
4	—	10.36	6.44
5	6.80	7.20	7.64
6	5.56	—	—
7	—	10 76	6.44
8	5 22	6.66	—
9	6.26	6.22	—
10	5.56	5.24	6.56

Detection of Alkali Bicarbonates.—R. T. Haslam ("Journ. Amer. Chem. Soc.") suggests the following test for bicarbonates in the presence of large quantities of normal carbonates. The substance to be tested is dissolved in water (freed by boiling from carbon dioxide), and excess of calcium chloride is added. Filter after standing for four or five minutes. Then add a few drops of ammonia, and if the substance contained a bicarbonate, a precipitate of calcium carbonate is again obtained. With a large amount of bicarbonate the precipitation will take place in about half a minute, while with a very small amount the time required may be eight to ten minutes. The presence of ammonium salts vitiates the results on account of the solubility of $CaCO_3$ in such solutions.

Ether.—Georg Kassner communicates a long article to the "Archiv der Pharmazie" (1912, 436) on ether, which he investigated consequent on an explosion in Münster University. It was suspected that the explosion was due to the presence of an organic peroxide in the ether; but most careful examination failed to get satisfactory evidence of such bodies, which would have been afforded by (1) hydrogen peroxide; (2) vinyl compounds—as by-products of auto-oxidation of ether, and which have a lower boiling-point than ether; (3) lack of aldehyde, of which mere traces were found; and (4) repetition of the experiment in which the explosion took place did not result in explosions except once. The author observes that the ether was kept over sodium hydroxide, which removes any hydrogen peroxide that may be formed, while it also fixes vinyl alcohol as acetaldehyde or its polymers, which by oxidation are turned into acids, and these would be found in the ether if such decomposition had occurred.



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INFORMATION WANTED.

We would be obliged if any reader would inform us by post-card or telephone who are the makers or agents of the articles mentioned in the following inquiries:

75/160. Veil cream.
70/61. Perry's pearl pills.
75/29. "Devilbis" sprays.
79/7. "Carbofax": supply.
70/610. Madame Ena's soap.
75/65. "Thronine": makers.
75/163. Hunter's tooth-powder.
75/20. "Homologol": supply.
77/53. "Tower" tooth-brushes.
75/162. Kimalin razor-sharpener.
76/2. Kellock's sleeveless aprons.
75/161. Slades' chilblain-ointment.
75/16. Squibb's peptonising cocoa.
79/70. Immaculate sapolis: makers.
79/1. Smithson's fumigator: supply.
71/36. Forret's bay-rum and quinine.
75/164. De La Cross Parisian essence.
78/2. "Di-carbol Disinfectant": suppliers.
42/42. French Pot Pourri: actual importers in bulk.
78/19. C. Gastell et fils, olive-oil producers, Nice: London agents.
71/25. Gauzes, pleated, aseptic, two red crosses on box and "S.A.D.C." (? "Surgeon's Aide-de-Camp").

INFORMATION SUPPLIED.

During the past week we have answered inquiries as to the makers or sellers of the following articles. The information will be repeated to other inquirers who send to this Department a stamped and addressed envelope for the purpose.

Allyl sulphide, 75/240
Argentine agencies, 76/63
Aspirin soluble, 72/9
Authotherm flasks, 72/8
Baggaley's damp-proof socks, 69/60
Bell's Cascarans, 75/24
Biosine Le Perdriel, 71/11
Brazil agents, 76/67
Bromipin, 76/38
Bromose, 72/34
Chemists' Friendly Society, 72/13
Compressoids, 75/640
Corn-exterminators (Italian inquiry), 73/59
"Crembas" suppliers (German inquiry), 76/57
Crimpoline, 76/3
Dermene, 70/6
Electric apparatus for deafness (special), 74/62
"Ever-Ready" electrical specialities 72/32
Expressed juices (makers), 74/47
Ferro-phosphorus 69/44
Formacones, 76/65
Hebra spirit soap, 70/610
Holroyd's gravel-pills, 70/100
Hydragyne, 70/612
I.R. hot-water bottle with side handle and metal collar, 76/5
"Kinora" model and reels, 72/65
"Lasso-band" makers, 74/22
"Lasso" soap, 70/10
Luminous paint, makers, 71/8
Machines to print and perforate toilet-rolls, 59/72
Morse's Indian-root pills, 69/43
Onken's "Younits" (for window-dressing), 77/15
Paul Metz's goods, 76/58
Phosphoric acid (concentrated), for Japan, 70/300
Polyformiate Syrup Chapelle, 70/62
Retinol, 72/7
Solvettes, 75/64
Superphosphates (for Japan), 70/30
Thermometers, 3 ft. index (for ice-houses), 66/10
Tiling for shop-fronts, 74/72
Tooth-powder tins, flat (with sprinkler hole at side), 66/13
Water-stills, 70/6

OBSERVATIONS & REFLECTIONS

By Xrayser II.

The Medical Benefit Regulations,

so far as they affect pharmacists, appear at first sight to justify the hopeful attitude I have always maintained with regard to our position under the National Insurance Act. I speak, of course, only of the principle on which they are framed, rates and prices being as yet undetermined, but there is every reason to believe that these will be equitable. Nobody is likely to accept terms which do not offer a prospect of a reasonable profit, and the system adopted makes it possible for us to estimate with something like certainty what the profit on the goods supplied would be. We are not asked to adopt an entirely new system, the working of which it would be most difficult, if not quite impossible, to foresee. And evidently no hard and fast limit can under these Regulations be imposed upon us; we shall be paid directly for the actual work done and the medicines supplied, the only new feature introduced into our business being the regulation of prices. This seems to me an immense advantage over any *per capita* arrangement; it is more elastic, and more consonant with our business instincts and habits. We must not, however,

Halloa before We are Out of the Wood.

Until rates and prices are fixed it is premature to congratulate ourselves upon a satisfactory settlement. It is of primary importance that the trade should be adequately represented on the local Committees. I, for one, should be inclined to refuse to be put on the panel in any district in which we were not so represented. The crucial point now is the price-list, and we ought to have some part in the determination of that. I see only one allusion in the Regulations to dispensing fees, although dispensing will no doubt be the chief mode of "supply," and the question of fees is therefore the most important of all. I have already (on May 4, 1912) expressed my views as to the approximate amount we should be safe in accepting as a dispensing fee, and it is necessary that we should at once make up our minds on this point, as well as on the rate of profit at which we are willing to supply drugs and appliances. Without this preliminary we shall be very much at sea when the Government's proposals are definitely laid before us.

That Dispensing is Ensured to Us

as the general rule may be taken for granted, and this is the chief thing. In practice this will probably apply also to those who are exempted from medical benefit by the income limit, and the ultimate result will certainly be a considerable transference of dispensing for uninsured patients from the doctor to the pharmacist. It will not be worth a doctor's while (in many neighbourhoods, at any rate) to dispense for the private patients alone who will be left to him. This fact will probably neutralise to some extent the injurious effect that Regulation 35 might otherwise have upon our interests. It is, I fancy, only in very few districts that such a number of patients are so remote from the chemist as to induce a doctor to set up a dispensing department for their benefit. The number and complexity of the Regulations will greatly increase the work of the Committees, and, I suppose, the expense of working the Act. The Committees will apparently be in close touch with us, and will have no sinecure. Too much importance must not be attributed to the opinion freely expressed among the friendly societies that the Regulations are unworkable, but it is well to remember that they are only provisional, and that difficulties may arise in the working of some of those which apply peculiarly to ourselves. I do not see much advantage, and I suspect disadvantages, in the variation in prices in different districts.

Debatable Points

bristle also in the Regulations which are specially concerned with medical men, and unless their consideration is approached not only with an open mind but in a conciliatory attitude, there are endless opportunities for finding difficulties. The Commissioners have shown excessive prudence in throwing on the County Committees the task of coming to terms with the medical men. This is almost sure to involve an immense amount of squabbling, and possibly not a little "bad blood" may be created before things settle down, while there is the possibility of different methods of payment being adopted in contiguous areas, which may lead to endless confusion. Still, all this trouble, if it come, will be useful for the future working of the Act, since the Regulations are provisional only, and the experiences of a year will work wonders in getting the Commissioners, the medical men, and the insured to realise where compromise is possible, and how the sharp corners may be rounded off.

Of the "Six Points"

insisted on by the British Medical Association, five appear to me to have been practically conceded (four were already in the Act), the only point in suspense being the amount of remuneration to be allowed to medical men. The income limit is to be settled by the Committees, and there can be no doubt that in many districts 2*l.* a week will be the limit, though in the large cities a higher figure will probably be the rule. Patients are to have free choice of doctor, and alternative methods for assessing the remuneration are allowed. Some districts may choose *per capita* payments pure and simple, others payment by fees only, others a mixed scheme. This will lead to an immense amount of intricate bookkeeping in the case of insured people moving from one part of the country to another, and it will be very confusing to medical men. This difficulty is already recognised; and to meet it, it is contemplated that a separate list of practitioners willing to undertake this work will be set out. I am dubious about the success of this proposal, though it may be the less of two evils.

Mr. Rymer Young,

in his admirable Address on pharmaceutical education, not only struck exactly the right note, and, with the exception of one slight lapse, maintained it consistently to the end, but illustrated by the employment of a style at once forcible and graceful the advantage and true use of that for which he pleaded—"the cultivation of a habit of clearness in speech, in writing, and in thought." I was pleased to find one of his most incisive sentences quoted a few days afterwards in my daily paper, under the heading, "From Press and Platform." It was this: "Some of the most egregious asses in creation are to be met with among the schools as the successes of modern educational life." It is very true, and, like Issachar of old, they are usually asses under a double burden, that of unassimilated knowledge, and that of pride in having acquired more than they were built to carry—the pride of the *nouveau riche*, whose only use for his ill-gotten wealth is to display it. The little lapse in Mr. Young's Address is where he warns his hearers not to be disappointed if the public shows no gratitude to them for having fitted themselves for their work. There seems to be in this just a suspicion of the feeling he deprecates, a little display of pique because the President of the Pharmaceutical Society *is* placed on "a dispensing level" with the doctor's factotum. But the real point of the Address surely is that education is worth having for its own sake. It is a noble doctrine, and a true one.

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The Shops Act.

In some parts of London there is an indication that the agreements made by chemists as to closing are not being rigidly adhered to. This was not unforeseen, and we have always held the view that until the penal provisions of the Act are enforced there is bound to be some laxity. We now have the effect of these provisions

illustrated every week by actions taken by local authorities, and this week proceedings have been taken against chemists in Bournemouth and another in Stratford-on-Avon regarding the sale during closing hours of articles which the prosecutors considered not to be medicines and medical and surgical appliances. At the time of writing we have not received the results of these cases, and our remarks should not be regarded as in any way comment upon them; but we must repeat the warning frequently given that chemists may not keep their shops open during the closing hours of the half-holiday for the purpose of selling everything stocked if called for. As chemists they enjoy no exemption, but the sale of medicines and medical and surgical appliances is exempted from the early-closing provisions subject to regulations made by the Government authorities. The Act gives no definition as to what medicines and medical and surgical appliances are, and common sense must dictate the action of chemists in doubtful cases. There was little done under the old Acts which would guide us now, except two cases, in which the sale of a hair-brush in one and of a cake of toilet-soap in another brought the vendors, who were chemists, into the court for infringement of early-closing orders. In both these cases the Magistrates were not satisfied that the articles sold were of the nature exempted by the old Acts. We learn that a movement has been inaugurated with the object of bringing definitely before the authorities the hardships which are resulting from the compulsory closing of shops under the Act. A petition, which has already been extensively signed, is to be presented to Parliament, and the Home Secretary is to be asked to receive a deputation of traders on the subject. A No-Compulsory Closing League has also been established. We do not suppose that it will receive much support, as the Act, in spite of some shortcomings, is of immense benefit to shopkeepers and has caused little public inconvenience.

Drugs and Oils.

The evidence which the London Chamber of Commerce, in association with the British Pharmaceutical Conference, is to lay before the Dominions Royal Commission in regard to the cultivation of drugs and essential-oil materials promises to be of Imperial interest. We call the attention of our readers in Australia and New Zealand to the report of the meeting, which appears elsewhere in this issue, as the Commission will, after hearing preliminary evidence in London, proceed south to hear what authorities in these Dominions have to say about their resources. We understand that all the materials for the essential-oils part of the evidence are ready, and that Mr. Umney is tabulating them with complete commercial data as to quantities and values, which must be the ultimate determining factors for recommendations as to the establishment or encouragement of the production of the substances. Similar materials in regard to medicinal drugs are not so complete, but a good case for inquiry in respect to some of the most important drugs can be made out. A note of warning was sounded at the meeting as to the inadvisability of too greatly emphasising the scientific side of the matter, which was wise, for the Commission is concerned with commerce, and commercial data will appeal to the members, while scientific data might discourage their attention. We understand that the Board of Agriculture has been watching the subject for some time, and Sir Edward Evans's address was the means of it receiving more active consideration from the Department. Here, again, commercial data are wanted to justify the resources of the Department being utilised for similar purposes to those for which the Bureau of Plant Industry of the U.S.A. Department of Agriculture is employed. There is also a fundamental difference between the resources of the two Boards. In the United States the Department of Agriculture has under constitutional provisions land and money available which can be directly applied to cultivation experiments. The English Board has no similar provision, and its work must be confined ultimately to encouraging the cultivation of plants which may be profitable to the cultivators. There can be little doubt that the inquiry now definitely set agoing by Wednesday's meeting has in it potentialities for developing Imperial resources which should be of service to British drug and essential-oil trades. Indirectly also scientific service may be done, but this will depend upon the commercial results.

Nine Months' Trade.

Following on the exceptionally good trade Returns for the months of July and August, those for September are also very satisfactory. The imports advanced by 3,505,000*l.* to 57,185,000*l.*; the exports of British goods advanced by 6,385,000*l.* to 43,204,000*l.*, and the re-exports of imported goods advanced by 216,000*l.* to 8,035,000*l.* These figures constitute the best September figures on record, and taking into consideration the fact that there was one working-day less than in September of last year, the increases shown are all the more remarkable. In the imports the chief gains were in raw materials and manufactured goods, these expanding by 1,711,000*l.* and 1,422,000*l.* respectively. The value of food imports went up by 331,000*l.*, and we spent 1,250,000*l.* more on grain and flour, this being due to the disappointing harvests at home; on the other hand, we effected a considerable saving on sugar and meat. Of oil seeds, nuts, oils, fats, and gums our imports were 128,300*l.* less, but on the nine months' trading the expansion is 2,434,300*l.* The increase in manufactured goods applies to most of the items scheduled, including 81,239*l.* more for chemicals, which reached 962,167*l.* Of the gain of 6,385,200*l.* in British exports no less than 5,406,600*l.* is in manufactured goods alone, and applied to practically every industry scheduled, iron and steel manufactures showing the greatest gain by 1,406,000*l.* Chemicals and the like were better by 175,175*l.*, the value being 1,777,336*l.*, and as compared with September 1910 the gain is 248,178*l.* In the "medicines" section further progress is noted, the shipments being valued at 201,735*l.*, of which 10,435*l.* was for quinine: there was a spurt in the September exports of this chemical, the shipments being 215,889 oz., against 130,611 oz. in 1911. September chemical business was chiefly noticeable for the activity in soda-compounds, painters' colours and materials, and coal-products not dyes. Slight gains are also shown in bleaching-powder and ammonia sulphate, but copper sulphate and crude glycerin show substantial declines, distilled being stationary.

Turning from the September record to that of the nine months of the year now completed, very considerable all-round progress is shown, but the last three months' figures have made an enormous difference in the aggregate totals. The many variations are shown in the month-by-month record printed on the following page. It will be seen from the table that the imports have risen by 39,570,000*l.*, the total values being 528,965,000*l.*,

while the exports have risen by 23,104,700*l.* to 354,282,600*l.*, and the re-exports by 5,386,000*l.* to 82,920,000*l.* Rather over one-third of the increase in imports (13,456,870*l.*) was in the nation's food, drink, and tobacco bill—a reflection

	Imports	Exports British Goods	Re-exports
	£	£	£
January ...	+4,309,000	+2,683,000	+ 953,000
February ...	+3,648,000	+1,837,000	+ 730,000
March	+2,649,000	− 150,000	+1,692,000
April	+8,534,000	−2,805,000	+ 595,000
May	+1,198,000	+1,217,000	+1,990,000
June	− 434,000	−1,141,000	−3,015,000
July	+7,266,000	+7,378,000	−1,805,000
August ...	+9,138,000	+7,696,000	+3,309,000
September ...	+3,505,000	+6,385,000	+ 216,000
Total ...	+39,570,000	+23,104,700	+5,386,000

of prosperity. Imports of raw materials were 12,847,600*l.* more, and, like foodstuffs, higher prices largely contribute to the increase. In manufactured goods the increase amounted to 13,018,000*l.*, iron and steel manufactures exhibiting the most important advances. The chemical figures for the nine months are as follows :

1910	1911	1912
£8,343,874	£8,409,809	£9,109,108

These figures represent an increase of 699,300*l.* over 1911 and 765,200*l.* over 1910.

On the export side the increase of 23.1 millions sterling is made up of foodstuffs 3,609,500*l.*, raw materials 3,142,000*l.*, and manufactured goods 15,496,000*l.* Silk is the only item in this "section" showing a decline during the nine months. Concerning ourselves with drugs, chemicals, and the like, we have the following figures :

1910	1911	1912
£13,632,688	£14,857,191	£15,664,120

The increase as compared with 1911 is 806,929*l.*, but as compared with 1910 the increase is 2,031,432*l.* Drugs and medicinal preparations exported were valued at 1,608,239*l.*, as against 1,431,941*l.* in 1911, or 158,654*l.* more, these figures having steadily expanded with each month. British-made quinine declined by 211,022 oz. to 1,129,500 oz., but exports of foreign quinine advanced from 132,287 oz. to 307,047 oz.

War and Produce.

Just when the outlook in the Near East showed signs of an improvement war has been declared on Turkey by the small State of Montenegro; but at the time of writing no formal declaration has been made by Bulgaria or Servia, although a general conflict may be precipitated at any moment, the hope of peace being faint indeed. As to the ultimate effect on the prices of Turkish produce much depends on the extent and duration of the hostilities. Opium is likely to be one of the chief articles affected, and already the market is in a state of uncertainty, as the means of transport from the Interior would be lacking, and the possibility of the ports being blockaded has also to be reckoned with. Another fact which may influence the market is that the autumnal sowings, which are the most important, are now due, but have been delayed owing to lack of rain. These may now be jeopardised as the result of a scarcity of labour. In these circumstances buyers do not care to enter into further contracts owing to the "war risks" involved, and spot holders have done business at a slight advance. Otto of rose, which alone is a Bulgarian article and which mostly passes through to the various European capitals *via* Constantinople by rail, has also developed an unsettled tendency, as supplies are now practically cut off. Several weeks ago, however, precautions were taken by several prominent dealers on this side to lay in stocks, so that nothing in the nature of a famine is likely, unless, of course, the conflict should drag on for several months. We understand that the two otto-of-rose distillers who were in London have been recalled to Bulgaria. There are a few other products, like colocynth, canary-seed, fennel-seed, scammony-root, almonds, and olive oil (Ionian) which are either cultivated or shipped from the disturbed area; but as we are not entirely dependent on Turkey for such produce, and with ample stocks here, it is unlikely that prices will be substantially advanced.

British Pharmaceutical Conference.

A MEETING of the Executive Committee was held at 16 Bloomsbury Square, London, W.C., on Wednesday, October 2, at 5 P.M., Mr. J. C. Umney (President) in the chair. Mr. C. B. Allen, Professor Greenish, Messrs. E. M. Holmes, E. Saville Peck, C. Symes, Edmund White (Vice-Presidents), T. O. Barlow, F. W. Branson, F. W. Gamble, E. F. Harrison, C. A. Hill, T. Stephenson, H. Wilson, W. J. U. Woolcock (Hon. Local Secretary), and H. Finnemore and R. R. Bennett (Hon. General Secretaries) were also present. After formal preliminary business the following sub-committees were elected :

Research Sub-committee: The President and Messrs. R. R. Bennett, F. W. Gamble, E. F. Harrison, C. A. Hill, E. M. Holmes, F. Ransom, and H. Finnemore (Convener).

Practice Section Sub-committee: The President and Messrs. F. W. Gamble, E. F. Harrison, E. T. Neathercoat, E. Saville Peck, H. Finnemore, and R. R. Bennett (Convener).

Date of London Meeting.—It was provisionally decided that the date of the Jubilee Meeting in London next year should be July 21, 22, 23, and 24. Mr. Edmund White, Chairman of the Local Committee, gave a brief statement of the lines on which it is proposed to construct the programme. The President and Messrs. C. B. Allen, Bennett, Finnemore, Greenish, and Harrison were appointed a sub-committee to consider the question of the invitation of delegates from foreign and colonial pharmaceutical associations to the Jubilee Meeting.

Other Business.—With reference to the suggestion as to the cultivation of drugs in Sir Edward Evans's address at Edinburgh, the Chairman announced that he had arranged for evidence to be given before the Dominions Royal Commission, and the following members of the Conference would be asked to give evidence : The President, Sir Edward Evans, Mr. K. C. Allen, Professor Greenish, Mr. E. M. Holmes, and Mr. F. Ransom.—A grant of 5*l.* was made to Mr. Finnemore from the Research Fund.—Messrs. D. G. Evans, C. Gilling, and F. G. Morrell, Ph.D. (all of London), were elected members of the Conference.

NEW BOOKS.

Any of these books printed in the United Kingdom can be supplied, at the published price, to "C. & D." subscribers on application (with remittance) to the Publisher, 42 Cannon Street, London, E.C. These notes do not exclude subsequent reviews.

Masselon, Roberts and Cillard. *Celluloid: Its Manufacture, Applications, and Substitutes.* Trans. by H. H. Hodgson. $9\frac{1}{4}\times6$. Pp. 376. 25*s.* net. (C. Griffin.)

Palmer, W. *Dry-cleaning Made Easy.* Cr. 8vo. Pp. 88. Bds. 1*s.* net. ("Laundry Journal.")

Strasburger, Eduard, and others. *A Text-book of Botany.* 4th English edit. rev. with the 10th German edit., by W. H. Lang. 8vo. $9\times5\frac{3}{4}$. Pp. 780. 18*s.* net. (Macmillan.)

Thompson, H. H. *Consumption in General Practice.* 2nd edit. $8\frac{3}{4}\times5$. Pp. 352. 12*s.* 6*d.* net. (Frowde.)

Walker, A. H. *Food Inspector's Encyclopædia.* $8\times5\frac{1}{2}$. Pp. 310. 7*s.* 6*d.* net. (Baillière.)

Weston, F. E. *Scheme for the Detection of the more Common Classes of Carbon Compounds.* 3*s.* (Longmans.)

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

The Council met at 67 Lower Mount Street, Dublin, on Wednesday, October 2, Mr. D. M. Watson (Vice-President) in the chair. There were also present Messrs. Thomas Batt, J. H. Bowden, Thomas N. Moffitt, John Smith, James Tate, and W. F. Wells.

A Vote of Condolence.

The Chairman said that before they entered on the business on the agenda he thought he would have the support of the Council in a vote of condolence with Mr. Beggs, who, since their previous meeting, had lost his eldest daughter. The vote was passed in silence, the members of the Council rising in their places.

Correspondence.

The President (Sir William J. Baxter, D.L.) wrote saying that he is much better, and hoped to be at the November meeting.

Thanks were accorded to the Rice Institute of Liberal and Technical Learning, Houston, Texas, U.S.A., for an invitation to its first Academic Festival.

The Registrar stated that letters had been received from the following notifying changes of address :

James Barry, Ph.C., from Greystones to the Medical Hall, Main Street, Boyle, co. Roscommon.

E. McC. S. Hill, Ph.C., from Rochdale to Wingham, Manning River, N.S.W.

Robert Mulligan, Ph.C., from Larne to c/o Messrs. McMurray & Co., Ltd., 132-134 Grosvenor Road, Belfast.

Patrick J. Ryan, Ph.C., from Athlone to Mountrath, Queen's County.

Philip Ryan, Ph.C., from Bray to McGrath's Medical Hall, Bagnalstown, co. Carlow.

John Jefferson, R.D., from Lisburn to 2 Aston's Place, Dublin.

James Keating, R.D., from 17 Moore Street, Dublin, to McGrath's Medical Hall, 2 Dublin Street, Carlow.

Messrs. T. S. Harbison and T. P. Roche wrote submitting certificates from other bodies and desiring Preliminary registration. They were admitted to Preliminary registration.

Reports from Committees.

Reports were received from the following committees and adopted : The Law Committee, the Certificates Committee, and the Declarations Committee.

Pharmaceutical Chemists' Fees as Witnesses.

Arising out of the minutes of the Law Committee the Registrar was directed to send the following communication to the Under-Secretary, Dublin Castle :

"Sir,—I have been directed by my Council to bring under notice the totally inadequate remuneration accorded to the pharmaceutical chemists of Ireland when summoned as witnesses in Court, the amount offered being generally not more than 5*s*. to 7*s*. 6*d*. per day.

"The right of pharmaceutical chemists to be classed as professional men has long since been conceded by Parliament. *Vide* the First Schedule to the Juries Procedure (Ireland) Act, 1876 (39 & 40 Vic., ch. 78).

"Bearing in mind that each pharmaceutical chemist has passed a stringent professional examination, and that if he is proprietor of a pharmacy he is bound by law to conduct his business personally, or employ a qualified person during his absence, and that in some cases he has to attend the Court at a considerable distance from home, my Council respectfully submit that the present remuneration offered is altogether inadequate, and ask that the necessary instruction be given to ensure that pharmaceutical chemists shall be treated as professional men when summoned as witnesses."

Membership of the Society.

On the motion of Mr. Wells, seconded by Mr. Tate, the following were elected to membership : Mr. Thomas J. May, Ph.C., Whitehead, co. Antrim; and Dr. David O'Sullivan, Ph.C., Inchicore, Dublin.

On the motion of Mr. Wells, seconded by Mr. Bowden, the following were nominated for membership : Mr. David Rea, Ph.C., Roscrea; and Mr. William Edward Rutledge, Ph.C., Belfast.

Annual Meeting.

The thirty-seventh annual meeting was held at 67 Lower Mount Street, Dublin, on Monday, October 7, Mr. D. M. Watson (Vice-President) in the chair. The following members of the Council were also present : Messrs. Thomas Batt, John Smith, Joseph H. Bowden, W. F. Wells, and John Burnett. The following members of the Society were present : Dr. A. J. Barnes, Messrs. F. H. R. Brady, J. S. Evans, John F. McCann, M. O'Donnell, R. S. Conyngham, and George Brown. The Chairman stated that although their President (Sir William J. Baxter, D.L.) was almost completely recovered from his recent illness, his doctors still prescribed complete rest for him.

The Registrar read the minutes of the last annual meeting held on October 2, 1911, and they were signed by the Chairman. The Registrar also read a letter of regret for absence from Mr. Tyrie Turner, Ph.C., Carrick-on-Suir.

Election of Members of Council.

The Chairman said the next item on the agenda was the declaration of the election of seven candidates for membership of the Council. As there had been no contest, the seven outgoing members were declared re-elected—viz., Dr. J. A. Walsh, Dr. M. R. Whitla, J.P., Messrs. William Doig, James Michie, William J. Hardy, Thomas N. Moffitt, and Thomas Batt. In connection with this matter the Registrar read the following letter :

"North Street, Belfast,
"October 1, 1912.

"Dear Sir,—I duly received the notice of general meeting of Pharmaceutical Society, and notice that no voting-papers are issued as no new members are offering. I was thinking that it is a great pity that some new blood was not infused into the Council, and that some means of getting the members to take more interest in the working of the Society was not adopted. If the Council approve, I would suggest that a new regulation be introduced whereby retiring Councillors are ineligible for election for one year after their retirement. This rule is applied in one or two committees that I am associated with, and I find that it works very well and passes most of the members through the committee at one time or another. If the Council think this would be feasible, I would have pleasure in proposing it or seconding it, or perhaps it would require to be dealt with by members of Council. Very truly yours,
"J. Horner Haslett."

The Chairman said it is unfortunate that there is not more anxiety on the part of licentiates to come on the Council. He believed that Councillors were all at one with Mr. Haslett in wishing that there was more anxiety on the part of the members of the Society to contest the seats on the Council.

Mr. Watson then proceeded to read the

Presidential Address.

Gentlemen,—In submitting the annual report of our Society my first duty is to express the deep regret I feel in not being able to do so personally, but my esteemed colleague, the Vice-President, will with his usual courtesy and ability place it before you for adoption. At the outset I must acknowledge the high and unique honour done me during the past two years by your Council electing me to the presidential chair—a position I could never have undertaken, living as I do so far away from the city, had not Mr. Watson so unselfishly and so ably discharged much of the onerous duty which devolves upon the President. If I received the honour, it was done as a compliment to myself and my Northern friends; but it was really the Vice-President who deserved it.

Sir W. J. Baxter.

The Past Year

has been one of steady progress, both in education and the increased Register, which now has reached a combined total in all sections of 1,806, as against 1,757 in 1911. It is with regret that we have to record the death of one of the original members of the Society, Dr. Henry Whitaker, of Belfast, a gentleman who was highly esteemed both in his profession and as a citizen. Also the death of Mr. Cornelius Crowly, Tralee; Mr. William Laird, Dublin; and Mr. Gerald Lecky Stack, of Listowel. We regret, also, that we have twelve subscribers fewer than in 1911. It is to be hoped that during the coming year a full membership may be obtained, and that pharmacists will thus prove their interest in the Society, and encourage the Council in its arduous duties and in the protection of those legal rights which pharmacists by their education and position have deservedly won.

Examinations.

One evidence of the higher standard which candidates for the Preliminary examination have attained is seen in the fact that the number of rejections was diminished by forty as compared with last year, while the total of those who passed and were registered from other bodies was ninety-four, as against ninety-one. The following Preliminary candidates passed with honours:

John E. Davitt, who scored 78 per cent.
Thos. F. Reddy, who scored 76¼ per cent.
Nathaniel E. Sutton, who scored 74¾ per cent.

For the Pharmaceutical Licence forty passed this year, as against thirty-five. The gold medal was awarded to Mr. Joel Green, who obtained 251 marks, the highest recorded during the year. This young pharmacist is to be congratulated on the distinction he has won, and we all hope his success in life will be commensurate with his honours. In the Assistants' examination six passed, as against eight last year, and in the Registered Druggist examination there were only twelve who passed, against seventeen last year. This is likely on account of the tendency to take the higher qualifications. In this connection it is important to point out that a new regulation will take effect next October, which will remove chemistry, botany, and physics from the subjects of the Preliminary examinations, while at the same time a regulation will come into force requiring candidates for the "Final" to have attended a course of theoretical chemistry.

The Schools.

It is a gratifying fact that the students attending the schools have increased during the year, sixty being now on the roll, as against forty-nine last year. We cannot commend these schools too highly to our young men. Expert knowledge is imparted in the various branches, such as is specifically needed for the profession of pharmacy, and prizes in each section are given to encourage thoroughness in study. The prizes awarded this year were as follows:

Chemistry.—First prize, John Douney, 80 per cent.; second prize, Samuel Orr, 75 per cent.
Materia Medica.—First prize, John Douney, 86 per cent.; second prize, Gladys Taylor, 80 per cent.
Botany.—First prize, James F. Seale, 84 per cent.; second prize, Meyer Scher, 71 per cent.

The Professor of Botany, Dr. A. K. Henry, having resigned through pressure of professional duties, his place was temporarily filled by Mr. A. H. Middleton, B.A. The services of a very able teacher, Dr. J. A. Clarke, B.A., have since been secured. Both schools have had an increased number of students; their popularity will no doubt be enhanced through the action of the Conjoint Board of the Royal Colleges of Physicians and Surgeons in Ireland in deciding to recognise the courses of instruction in chemistry and materia medica. The question as to the recognition of a number of technical schools throughout the country was again before the Council on a letter from the Department of Agriculture and Technical Instruction, but the Council did not see their way to recognise any schools additional already sanctioned in the Society's Calendar.

Legal Matter.

During the year the Council has been jealously guarding the interests of the Society, and six persons were prosecuted during the year for the illegal sale of poisons. Three of these held licences from county councils; they were prosecuted for either ignoring the Privy Council regulations or for selling poisons not covered by their licences. All cases were proved and substantial penalties awarded, but in some it was evident that on the Bench were gentlemen who sympathised with the defendants, and our success was largely due to the astuteness of our legal representative, Mr. W. Campbell Meeke. I cannot close without acknowledging the uniform courtesy of the Registrar, Mr. Ferrall, and the willingness and regularity with which he placed the details of the Society before me; nor can I help referring to the annual Pharmaceutical Conference held in Edinburgh this year under the popular presidency of Sir Edward Evans, Liverpool, and to the Local Committees' special courtesy to myself and our Irish representatives. Mr. Wells is a *persona grata* at these Conferences, and justly so; and the kindest inquiries were made as to some members of our Council who were not able to attend, and whose presence was evidently missed. My great regret was that I was unable to be present at all the meetings, but it is only due to the Edinburgh Local Committee to say that their arrangements were such as will make the memory of the Conference as one of the pleasantest and most valuable yet held, beginning with the brilliant reception given by the Right Hon. the Lord Provost and ending with those delightful excursions so thoughtfully arranged for the visitors. These Conferences every year becoming more popular and more useful, may be expected to reach their highest water-mark when their Jubilee is held in London next year under the genial and able presidency of Mr. John C. Umney. The profession of Pharmacy is becoming more important every year, and in retiring from the presidency it is a great satisfaction to know that our own Society has kept abreast of the times' requirements, and that its interests were never better protected and its success in the future never more abundantly assured.

Remarks by the Vice-President.

Mr. Watson then proceeded as follows:

Our President has asked me to supplement his address by a reference to those matters with which I have been in more close touch by being on the spot here in Dublin. But I think he has fairly well gone over all the ground. As he has mentioned in his address, Captain Craig's Bill of last year has been withdrawn. The main object of that Bill was to legalise, for the purposes of the Pharmacy Acts, apprenticeships served to limited companies. The President has also referred to the passage of the new regulations regarding substances coming under

SECTION 5 OF THE 1908 ACT,

whereby it is now necessary to label these substances "Poisonous" and "Not to be taken." The regulations also require that special bottles shall be used for the various substances mentioned in the section. It should be remembered that since these regulations were passed it is necessary to label oxalic acid both "Poison" and "Poisonous," as well as "Not to be taken." This is one of the anomalies due to legislation by reference. We have had many indications that this Act of 1908 was extremely ill-advised, and that very little trouble is taken by the local authorities (with whom rests the responsibility) to see to the carrying out of the provisions of the Act. The licensees under the Act appear very generally to have the idea that they are now entitled to sell poisons of all kinds, and the ignorance regarding the scope of the Act is not by any means confined to these licensees. In Dublin, as far as we are aware, no attempt has been made by the local authority to ensure that licensees carry out the requirements as to storage and sale.

THE SHOPS ACT

has now been in force for some months, and I dare say chemists have begun to find out that there is sometimes difficulty in conforming strictly to its provisions. Most pharmaceutical chemists in practice are, I am sure, anxious to have both for themselves and for their assistants one half-holiday in the week, but the regulations as to meal-hours are in some cases a trouble. It has been suggested that when any opportunity arises we should endeavour to get alterations to suit our special profession. It seems to me that it would solve many difficulties if the Act were amended

in the direction of fixing one particular day as a universal half-holiday. However, for us the most important legislative measure of the moment is

THE NATIONAL INSURANCE ACT.

I think we may take it for granted that the extension to Ireland of the medical-benefit section of that Act is a subject which is receiving, or will very soon receive, the consideration of the authorities, and it rests largely with our licentiates whether they retain to themselves the right to dispense medicines for insured persons. Every opportunity should be taken to educate members of Parliament as to the reasonableness of the demand that the Act should specify the legally qualified dispenser of medicines as a natural sequence to the specific mention in the Act of the legally qualified prescriber of medicines. When this matter comes to the Parliamentary stage, I am sure we can count on the hearty support of the pharmacists of Great Britain, who asked us to join forces with them before it was decided that Ireland was to be left outside of the medical-benefit provisions. The qualified pharmacists of Great Britain have succeeded, as you no doubt know, in their demand to be specified in the Act, and this is due without any question to the fact that for the first time in pharmaceutical history all sections of the profession showed a united front and a complete unity of aim. Mr. W. S. Glyn-Jones deserves enormous praise for bringing about that unity, and it was, as I have said, that unity of purpose which unquestionably so impressed the Chancellor of the Exchequer that he gave the necessary assurance that he would specify the legally qualified dispenser in his Bill. This has been done for England, and we want the same assurance for Ireland. I am satisfied that had we been able in 1906 and 1907 to show the same unity of purpose we could have prevented the passing of the objectionable portions of the 1908 Act. It should always be borne in mind, therefore, that a show of organised and unified determination is of far more use in influencing Parliament than anything else. You must be able to show that unless you get what amendments you want there will be trouble in passing the Bill. You must rely more on that than even on the most just claim you have.

EXAMINATION AND REGISTRATION.

It should be mentioned that during the past year the Ontario College of Pharmacy has signified that it will in future recognise our examinations, and will register our licentiates as chemists of that Province without further examinations. Our Act, of course, makes us unable to reciprocate.

The passing of the new regulations altering our syllabus for the Preliminary examination, and insisting on a compulsory theoretical chemistry course, raises the question of education. Our own Chemistry School will need alteration, so as to give the necessary instruction in theoretical chemistry, and it will also be necessary to reconsider our attitude in the matter of recognising outside schools. Our examinations are a very important part of our system, but I think it is of at least as great an importance to provide really efficient educational facilities. I would much rather try to educate thoroughly than to rely on examinations solely or even mainly as a means of discovering what a student knows. The large number of failures in the theoretical-chemistry section of our examinations has for a long time been under the consideration of the Council, and some of you will remember that the Privy Council refused some years ago to consent to a compulsory course in this subject. We have now succeeded, however, in getting this course sanctioned, and it should be of great benefit. I have always wondered at the percentage of failures at our Licence examination, and in trying to discover its cause I am forced to the conclusion that a great many candidates enter for the examination who really have not much expectation of satisfying the examiners, and they do this in many instances against the advice of their teachers. Those of us who have been in the habit of attending the examinations from time to time have seen that the examiners' difficulty is not (as the candidate generally appears to think is the case) "sticking" as many as possible, but in passing even the small percentage who pass. There are, of course, many well-prepared candidates, and the point I wish to make here is that I am convinced that most of the well-prepared candidates are men who have not relied absolutely on their teachers, but have set themselves to find out for themselves as much as possible, using their teachers more as guides. Such men show an intelligent knowledge of the subjects of examination, which is very welcome to the examiner, and it is such men who ought to have the best chance of getting honours and a gold medal, for an experienced examiner can as a rule easily tell if a man has really absorbed his subject or is merely crammed with it. The whole question of pharmaceutical education is too big to go into deeply to-night, and all I would say further is to repeat the hope that has often been hoped, that young men who adopt pharmacy as their profession would take up the subjects connected with pharmacy from the beginning of their apprenticeships, and so get a rational knowledge of them, and not wait, as is so very general, till a year or two before the examination, and then learn what will barely ensure their getting through.

I must associate myself with the President's appreciation of Mr. Ferrall's whole-hearted devotion to the welfare of the Society. Mr. Ferrall's office-hours are nominally from 10 A.M. to 4 P.M., but I often hear his voice calling me on the telephone at hours earlier than 10 A.M., and often very much later than 4 P.M.; in fact, I have sometimes wondered if he stays in the office all night at times. In any case, I can heartily endorse every word that the President has said as to his diligence, courtesy, and intimate knowledge of affairs pharmaceutical. (Applause.)

DISCUSSION.

Dr. BARNES, in opening the discussion, expressed gratification at the good news regarding the President. He thought the members of the Society had great reason to congratulate themselves on its present position, but he considered the membership was too small in proportion to the number of licentiates, and appealed for more hearty support from the latter, saying that the Council had done splendid work. Perhaps, as one licentiate had stated to him, the Society would be better supported if it had disciplinary powers. He suggested that the Council should do something to establish a benevolent fund for pharmacists in Ireland

Mr. JOHN SMITH associated himself with the previous speaker in gratification on hearing of the President's recovery, and spoke of Sir William Baxter's great services to the Society. He proceeded to discuss the difficulties attending the education of apprentices to which the Vice-President referred, and said he felt sure the Council recognised that all their apprentices should take advantage of the Technical Schools, no matter in what part of the country they are placed, for the instruction received there would make an excellent groundwork for more specialised studies.

Mr. WELLS spoke of the number of candidates that come up for the Licence examination apparently with no preliminary training. In regard to practical chemistry he mentioned that some years ago he had gone into the matter and found that every candidate who presented himself from Belfast had taken over 200 hours—some 250 hours—of practical chemistry, and not a single one of these men failed in the examination. He much regretted that candidates continued to come up expecting to fail the first time. Looking into the records of the Society, he found that for the three years 1889, 1890, and 1891 they had 145 new candidates for the Preliminary examination and only 14 previously rejected candidates. For the three years 1899, 1900, and 1901 the figures were 217 and 76. For the three years 1909, 1910, and 1911 the figures were 257 and 129, so that there had been an increase in the number of previously rejected candidates from 14 to 129 during the period under review. Taking the Licence examination, the figures for the first three years he had mentioned were 76 new candidates and 12 previously rejected candidates. Out of that number 69 passed. For the second-mentioned period the figures were 108 new candidates, 78 previously rejected candidates, and 90 passed. For the third-mentioned period the figures were 106 new candidates, 166 previously rejected, and 107 passed. Referring to Mr. Haslett's letter, Mr. Wells said that every member of the Council would welcome new blood, and would even give up their seats if suitable candidates came forward to take them. Of the 886 pharmaceutical chemists on the Register they had about 319 as members, which is a fair proportion, but he said he would like to see more. He thought the licentiates should be loyal to the Society and should support it. The members got full value for their money—they received the Calendar, THE CHEMIST AND DRUGGIST, and other benefits. Mr. Wells then dealt briefly with the 1908 Act, and concluded by an expression of pleasure in learning that Sir William Baxter was so much better, saying that he had done great work for the Society.

The CHAIRMAN briefly replied to the discussion, stating in regard to the disciplinary powers that it is only for

breaches of the Act that they could go to the Privy Council for the purpose of getting a man's name erased from the Register. He sympathised with Dr. Barnes's remarks, but in respect to the formation of a benevolent fund he questioned if it is necessary, considering the National Insurance Act and the Old Age Pensions Act. Nevertheless, the Council would carefully consider the matter.

Mr. Wells supplemented these remarks by stating that some years ago an attempt had been made to start a benevolent fund; but, owing to the small amount of support promised and the small number of members that they had throughout the country, the project was not carried out.

The President and Vice-President were thanked.

Treasurer's Report.

Mr. Wells (in the absence of Mr. Beggs, the Hon. Treasurer) submitted the accounts. He said they had a very small margin. They had just made about 18*l*. last year. If they took the last four or five years there was an actual loss in the working of the Society. During the year 511*l*. had been received for examination-fees, as against 563*l*. in the previous year. The subscriptions from members and associates amounted to 296*l*., against 298*l*. the previous year. They had a unique record in reference to their prosecutions—they had recovered during the year 40*l*. in penalties at a cost of 62*l*. Hitherto it cost them 10*l*. to recover 5*l*. The change was due very largely to Mr. Meeke, who acted for their solicitors—to the energetic way he went about his duties in the matter. Their law expenses in 1908 amounted to 67*l*. 18*s*., and they received in penalties 6*l*. 19*s*. 4*d*.

The statement was adopted, and it was suggested that the financial statement should be brought directly to the notice of the licentiates with a view to inducing them to subscribe to the Society.

Mr. Wells referred to the schools. He said that as regards the Chemistry School they commenced with a balance of 5*l*. in hand and finished with a balance of 16*l*. 13*s*. As regards the Materia Medica and Botany School, they commenced with a balance of 26*l*. 6*s*. 9*d*. and finished with a balance of 33*l*. 9*s*. 9*d*.

Gold Medal.

The Chairman presented to Mr. Joel Green the gold medal, he having obtained the best marks during the year. His marks were extremely creditable. In botany and materia medica he received 90 out of 100, in chemistry 80 out of 100, in pharmacy 81 out of 100. In one section of materia medica he obtained 60 marks, the highest possible. They should congratulate themselves that in botany and materia medica such a percentage had been obtained, because Mr. Green was a student of their own school. (Hear, hear.)

Mr. Green returned thanks in graceful terms.

This was all the business.

Preliminary Examination.

The following have passed :

Charles Joseph McQuaid, Carlingford.
Samuel Henry Forrest, Cookstown.
Mary Cummins, Carrick-on-Shannon.
Thomas Joseph Keatinge, Dublin.
Norah Eleanor Brown, Dublin.
Thomas Connolly, Monkstown, co. Dublin.
Robert Alexander Richey, Ballymoney.
Edmund Abel Richey, Ballymoney.
Jacob Lipman, Dublin.
Marion Fahey, Oranmore.
John Joseph Anderson, Ballyeastle.
Patrick Kieran, Clones.
Thomas McGurk, Belfast.

Eleven candidates were rejected.

The Regulations made under the Pharmacy Act (Ireland), 1875, with regard to the Pharmaceutical Preliminary examination and candidates for the Pharmaceutical Licence were laid upon the table of the House of Commons on Wednesday.

CHEMISTS' WINDOWS.

New ideas for dressing windows are invited. Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.

A Soap-seller.

This illustration is from a photograph of a window-display of Wright's Coal Tar Soap recently made by Mr. W. H. Harrison, chemist and optician, 34 Bridge Street, Hindley. It formed an attractive display, the show-qualities of the goods being supplemented by Mr. Harrison's ingenious and epigrammatic cards. While the display was on, two competitions open to school children were arranged. The first of these was for a prize of 5*s*. for the best essay written describing the window-display in connection with the use of Wright's Coal Tar Soap all over the world—North, South, East, and West. The second competition was also open to school children, and was to be awarded to the child who legibly wrote on a postcard the sentence, "Wright's Coal Tar Soap is the best," the greatest number of times. Consolation prizes were awarded to the five next best essays, and also the five next best cards with the above sentence, as well as certificates of merit. Additional interest was thus created in the window-display, and it had a good effect upon the sales.

FESTIVITIES.

Western Chemists' Association.

The reunion of this Association, held at the Restaurant Frascati, Oxford Street, London, W., on October 9, took the form of a reception and whist-drive. Over a hundred guests were received by Mr. C. T. Allen (President) and Miss Allen. It was announced that, instead of the usual prizes, those with the highest scores would be given souvenirs. The winners were: *Ladies*—(1) Mrs. Melhuish, (2) Mrs. Robins, (3) Miss Procter. *Gentlemen*—(1) Mr. Brooks, (2) Mr. Procter, (3) Mr. Woollans.

School of Pharmacy Past Students' Association.

The first smoking-concert of this Association was held at the Holborn Restaurant, London, W.C., on October 4, with Mr. C. B. Allen in the chair. There was a large attendance of old and present students, the company numbering about one hundred and fifty. The Chairman was supported by Professors Crossley and Greenish, and others present were Miss Buchanan, Miss Heywood, Mr. and Mrs. Edmund White, Mr. and Mrs. Alan Francis, Mr. and Mrs. W. J. U. Woolcock, Mr. and Mrs. H. Finnemore, Mr. and Mrs. P. E. F. Perrédès, Messrs. J. O. Braithwaite, G. Bult Francis, R. R. Bennett, W. Garsed, W. F. Gulliver, F. U. Stamp, V. C. Hewlett, W. R. Pratt, C. H. Hampshire, A. Surfleet, W. H. Allen, C. Happold, A. G. C. Paterson, W. B. Nelson, and Harry Martin. During the interval the Chairman congratulated the committee on their first concert.

He was glad to see such a number of ladies present. It was the first time that they had been invited to such an entertainment. The Association had begun very well indeed with 158 members. There was no smoking until after the interval. The artistes included Miss Mamie Buck, Misses Maudo and Ida Fyfield, Messrs. Ernest Sewell, Stuart, Debnam, and Robert Pitt. An "Old Boy," in the person of Mr. Atkinson, also sang some favourite songs, while Mr. Righton, "The Square Bard," gave one of his characteristic recitations.

Silver Wedding.

Mr. W. H. Saunders, chairman of Messrs. Ayrton, Saunders & Co., Ltd., Liverpool, and Mrs. Saunders celebrated their silver wedding last week, and were presented by the directors, travellers, and employés of the company with a silver tray, suitably inscribed. The presentation was made by Mr. E. H. Bentley at the general offices of the company, 34 Hanover Street, on October 4. Mr. Saunders acknowledged the gift in fitting terms, and thereafter Mrs. Saunders was presented by the staff with a pearl and ruby pendant, with chain, as a token of their esteem. In the evening Mr. Saunders was entertained to dinner at the Exchange Station Hotel by about forty of his associates in the business, Mr. E. H. Bentley presiding. After dinner and the toast of "The King," Mr. Harold Nixon proposed the health of the guest of the evening, which was enthusiastically honoured; and Mr. Saunders, in his reply, traced the history of the business from its foundation by his father, Mr. A. H. Saunders, in small premises in Cornwallis Street, up to the present stage, which Mr. Saunders graphically depicted when he stated that, in spite of ever-increasing keenness of competition, the progress of the business during the past twelve months had compelled the directors to considerably enlarge the premises and re-equip certain departments. He also spoke of the harmony between the directors of the company and the employés. Other toasts were "The Company," proposed by Mr. W. R. Jamieson and replied to by Mr. T. Hill; "Our Representatives," by Mr. R. Lightfoot, Mr. A. H. Jones replying; "The Inside Staff," by Mr. W. G. Mann, with response by Mr. A. M. Black; and "The Ladies," given by Mr. J. G. Tringham, Mr. W. G. Saunders replying. An excellent musical programme was gone through.

St. Vincent Association.

The seventh annual dinner of this Association took place on October 3 at Anderton's Hotel, Fleet Street, London, E.C. The chair was occupied by Mr. Sydney Jamieson (President), and he was supported by Sir Dyce Duckworth, Mr. C. W. Bowerman, M.P., Dr. F. Mollwo Perkin, Dr. A. Westerman, Mr. Lionel Cooper, Mr. W. P. Want, Mr. A. Proctor Atkinson, Mr. H. Hickey, Mr. J. R. Bailey (Hon. Secretary), Messrs. J. Barry Hopkins and F. Blazey (Arnolds'), Messrs. A. Buchan and W. G. Turner (Duncan, Flockhart & Co.), Messrs. W. Burton and S. J. Massey (Meggeson & Co.), Messrs. A. R. Hilton and J. Pinto Nash (Parke, Davis & Co.), Messrs. F. Beale, W. H. Izod, and G. C. Parrott (Chas. H. Phillips Chemical Co.), Mr. D. Anderson, Mr. John Bailey (Evans Sons Lescher & Webb), Mr. W. T. Balls (Keene, Robinson & Co.), Mr. G. Barden, Mr. W. G. Brown, Mr. G. Duncan Bowie, Mr. Charles Brookes (American Drug-stores), Mr. Brummitt (F. A. Rogers), Mr. R. R. Coates (Hoffman-La Roche), Mr. F. Crepin (Felton & Crepin), Mr. W. Daniel, Mr. W. Fletcher Eaves (Saccharin Corporation), Mr. H. B. Everson, Mr. G. A. Hamilton (A. & M. Zimmermann), Mr. Vivian C. Hewlett (C. J. Hewlett & Son), Mr. L. L. Hughes (Fassett & Johnson), Mr. A. Latreille, Mr. Henry Lewis (Allen & Hanburys), Mr. C. W. Martin (S. Maw, Son & Sons), Mr. J. W. Ogilvy, Mr. L. Perpier, Mr. G. H. Peters, Mr. C. F. Pitt, Mr. H. Rocky (K. Schall), Mr. W. Sanford, Mr. E. F. Shackleford (Crosswell Bros.), Mr. R. E. Shepherd (Manhu Food Co.), Mr. H. G. Sweet, Mr. W. Truman, Mr. T. R. Williams (Wright, Layman & Umney), Mr. G. H. Zeal, and others. After dinner and the loyal toasts, Mr. Henry Lewis proposed the toast of "The Houses of Parliament," and referred to the extraordinary prosperity of the country as shown by the Board of Trade Returns. Mr. C. W. Bowerman, M.P., replied, and said that no man can occupy a seat in the House of Commons without at some time feeling the responsibility of his position. Mr. W. P. Want proposed the toast of "St. Vincent Association," and recalled the foundation of the Association seven years ago, on the occasion of the first London Medical Exhibition. The Association, which now numbers 200 members, has been fortunate in its officers. The President, in reply, gave particulars of the work accomplished by the Association, recalling the fund and grant to the late Mr. W. H. Cox. He mentioned also that through the efforts of the members a child of the late Mr. Upton had been elected to the Commercial Travellers' Schools. At this stage of the proceedings Mr. Lionel Cooper, Past-President, was presented with an 18-carat gold chain and badge of the St. Vincent Association; and Mr. Cooper, in thanking the members for their kindness, said that the three years of his presidency were the happiest of his life. Mr. G. Duncan Bowie next proposed the toast of "The Visitors," to which Sir Dyce Duckworth replied. He referred to the forthcoming International Medical Congress in August next, which is expected to attract 7,000 doctors from all parts of the globe. It is intended in that month to hold an exhibition of medicines and surgical appliances, which it is hoped will be second to none that has ever been held. He then told the members something of the history of St. Vincent, and followed this by mentioning that as Chairman of the Drugs and Instruments Committee of St. Bartholomew's Hospital he (the speaker) had often to decide questions of price and quality. It is, he said, too much the fashion to look for the cheapest articles without regard to quality. He also had the duty of inspecting medicines sent out to India, and his experience in these matters had led him to the conclusion that English manufacturers are pre-eminent in the manufacture of many of these things. Sir Dyce then spoke of the multiplicity of new remedies, and said that although he is old-fashioned enough to believe in the British Pharmacopœia, still occasionally one alighted upon a new remedy which arrested attention. Dr. F. Mollwo Perkin also replied, and referred to the improvement which has taken place in the education of chemists, which enables them to supply the demand of manufacturers for scientific guidance. He also mentioned that the Exhibition at Turin had shown the world that British pharmacy has more than held its own with other countries. The other toasts were "The President" and "The Hon. Secretary," both of which were well received. During the evening an excellent musical programme was carried through.

LIMITED COMPANIES.

New Companies Registered.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O. Registered Office.

British Bottle Machine Co., Ltd. (P.C.).—Capital 50,000*l.*, in 1*l.* shares. R.O., East Parade Chambers, Leeds.

A. Ruch & Co., Ltd. (124,536) (P.C.).—Capital 6,000*l.*, in 1*l.* shares. Objects: To take over the business of glass-bottle manufacturers and dealers carried on by A. Ruch & Co. The first directors are A. T. Bate and G. G. Forsyth.

E. M. Foreshew & Co., Ltd. (P.C.).—Capital 300*l.*, in 1*l.* shares. Objects: To take over the business of a wholesale perfumer, hairdresser, and sundriesman carried on by H. R. M. Munnich at 301 Coldharbour Lane, Brixton, S.W., as E. M. Foreshew & Co.

Duzkil, Ltd. (P.C.).—Capital 100*l.*, in 1*l.* shares. Objects: To acquire the benefit of the insect-destroying preparation known as "Duzkil" from the proprietors of Mixol, Ltd. The first directors are E. Roberson, R. J. Bruce, and A. S. Quick. R.O., 36 Great Tower Street, E.C.

William Fisher, Ltd. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, booksellers, stationers, tobacconists, etc. The subscribers are S. Read, Saunderton, and S. S. Stooke-Vaughan, farmers. R.O., Princes Risborough, Bucks.

Lloyds Neurosal Co., Ltd. (P.C.).—Capital 1,000*l.* Objects: To carry on the business of retail and wholesale chemists and druggists and druggists' merchants and general storekeepers, etc. The first directors are D. R. Blair, W. W. Cuthbertson, W. D. Lloyd, and G. Lloyd. R.O., 62 London Wall, London, E.C.

Truqual Pharmacists' Pure Supplies Association, Ltd.—(P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of pharmacists, chemists, druggists, wine merchants, etc. The subscribers and directors are the following Wigan pharmacists: H. S. Phillips, 32 Swinley Road; O. Hunter, 52 Park Road; J. O. Mills, 31 Banner Street, Lower Ince: R. H. Dawson, Sandiacre, Boar's Head; B. Ascroft, 158 Manchester Road, Higher Ince: J. P. Worthington, Egerton House, Newtown; and T. H. Winstanley, 45 Dicconson Street West.

Company News.

"John Bull" Foods, Ltd.—Report of liquidator (Mr. S. P. Child) at meeting to be held at 8 Frederick's Place, Old Jewry, London, E.C., on November 5, at 2 p.m.

A. J. White, Ltd.—At an extraordinary general meeting held at the Memorial Hall, Farringdon Street, London, E.C., on October 1, a resolution was passed involving reduction of the capital of the company from 1,000,000*l.* to 300,000*l.* (*C. & D.*, September 14, index folio 429).

WINTER SESSION.

Secretaries of Associations whose meetings are not open to reporters are requested to send their reports to the Editor not later than the Wednesday or Thursday following the meeting. Notices of meetings to be held are inserted under "Coming Events" if received by the Editor not later than the Wednesday of the week before the meetings are held.

Aberdeen.—Mr. Swan presided at last week's meeting of the Aberdeen Junior Chemists' Association, when Mr. Andrew Craig (Hon. President) gave an address on *State Pharmaceutical Service*, which had special reference to the National Insurance Act, under which, Mr. Craig said, chemists become State servants with State remuneration. It would be better, he thought, if all pharmacies throughout the country were taken over by the State and managed by the State. The Insurance Act is a step towards this.

Blackpool.—Mr. D. J. Bailey presided at the first sessional meeting of the Blackpool and Fylde Pharmacists' Association, held at the Palatine Hotel on October 4. Messrs. Blackhurst, Carter, Clarke, Downing, Greenwood, Noel Jackson, Hall, Huddart, Johnson, Keeley, Laurie, Lowe, Mallalieu, Sankey, Speight, Turver, Watson, and Withers were also present. Mr. Downing, who has succeeded Mr. J. Needham in the management of Mr. Richard Needham's pharmacy, was elected a member. Mr. Turver was nominated as Divisional Secretary. The Secretary (Mr. J. W. Huddart) was instructed to write to 17 Bloomsbury Square for information relating to the price-list of drugs under the National Insurance Act, and immediately on receiving a reply to call a meeting. Hours of closing for the winter months were settled (see "Shops Act" in this issue).

Cardiff.—Mr. A. Hagon presided at a meeting of about seventy South Wales and Monmouthshire chemists held at the Royal Hotel, Cardiff, on October 3, this being the first district meeting under the Pharmaceutical Society's Organisation Scheme, a fact to which the Chairman referred in a speech appealing for members of the Society. Speaking of the *Pharmaceutical Provisions under the National Insurance Act*, Mr. Hagon said their success would depend very much on unity among pharmacists. If they were not united they would find that the Act, instead of yielding refreshing fruit, would yield bitter fruit. He entreated the members to be temperate in their demands, and not to try to gain too much. Almost for the first time in the history of the craft they were recognised by the Government as a body of men to whom might be safely entrusted the dispensing of medicines. If they would be guided by their Associations he was sure they would have a happy issue from all their troubles. (Hear, hear.) Mr. E. T. Neathercoat next spoke, chiefly about the Pharmaceutical Society and what had been obtained for chemists under the medical-benefit provisions, also dealing with the claims of medical men. Mr. W. J. U. Woolcock then addressed the meeting on the work already done in regard to sanatorium benefit and the dispensing and supply of drugs. In three months, he said, pharmacists should be in a very strong position, for every local Insurance Committee would have to make proper provision for the supply of the things needed. The public had been promised the best possible service, and he thought they would demand that the same treatment should be meted out to the poor as to the rich. This is the only civilised country in the world where dispensing and prescribing are not separate functions. Chemists have no quarrel with those who would take from them their own livelihood. But if insured persons could not get drugs from the chemists they would naturally go to the next best persons—the doctors: and they must see that insured persons have a proper and efficient supply of drugs. (Hear, hear.) On the motion of Mr. Leo Joseph (Cardiff), seconded by Mr. Lloyd (Merthyr), a vote of thanks was accorded to Messrs. Neathercoat and Woolcock for their addresses.

C.D.S.—Mr. Benson Harries, Newport, Mon., Hon. Secretary of the Chemists' Dental Society, informs us that the Executive tendered the condolence of the Society to Mrs. Stringer and family on the death of Mr. J. O. Stringer, the much respected Treasurer. A representative of the Society attended the funeral and placed a wreath on the grave. Mr. J. W. Roberts, Tavistock Square, London, W.C., has consented to act as Treasurer *pro tem.*, pending a meeting of the Council. Mr. Harries adds that the outlook of the Society is most hopeful, as applications and inquiries as to membership are being received daily. It is hoped that the insurance scheme will be working by the New Year.

Drug-store Proprietors.—Mr. W. Huntrods (Leeds) presided at a meeting of the Council of the Incorporated Society of Pharmacy and Drug-store Proprietors, Ltd., held on October 2. Messrs. T. Halliday (Oldham), M. J. Whittaker (Manchester), C. Crane (Bolton), J. B. Clarkson, A. F. Kirkman, A. Farley, J. Bedford, W. Atkinson, W. H. Hutton, and I. Eskriett (Leeds), and Mr. Norman D. Vine (Secretary) were also present. An application to form a branch in South Wales was approved, and the Secretary was instructed to thank Mr. J. T. Pearson (Aberfan). A resolution of sympathy with Mr. J. Bedford, Mr. C. Crane, and Mr. Hughes was passed. The President reported that the membership had doubled since last year: and Councillor Whittaker expressed the satisfaction of the members on hearing this statament. The President reported a number of legal cases which he had dealt with, and regretted that several members had had to pay fines for selling belladonna-plasters. It was a pity, he said, that all members did not stock a substitute. Replying to questions arising out of the Insurance Act, the President said he did not think there would be any dispensing under the Act, but if so, he believed they would either under the Act or in an amended one be placed on the panel as dispensers. Three of the applications for membership were refused.

Hull.—A meeting of the Hull Pharmacists' Association was held on October 8 at the Grosvenor Hotel, Mr. T. Smith (the President) in the chair, and members present included Messrs. Tiffany, Sawyer, Blakeley, Day, Schofield, Campbell, Surtees, Uttley, Staning (Hon. Secretary), Robinson, Richardson, Chapman, Hoyles, jun., Suddaby, Snowden, Wharton, Jones, Hutchinson, Newton, Robson, Good, Heath, and Bennett. A letter was read from the Sunderland Association inviting subscriptions to a *Testimonial to Mr. Harrison*, who has been for a quarter of a century a member of the Pharmaceutical Society's Council. The Chairman said that since the last meeting he had spoken to several local chemists on the question of *Early Closing*, and the general opinion was that the present hours of business are too long, and that it would be an advantage to curtail the time even by an hour. At present he thought it would be better to leave Saturday night out of the discussion and limit Sunday opening to an hour. After discussing the matter for some time, Mr. Staning moved that a canvass be taken on the question of closing at 8 P.M. except on Thursday and Saturday, and 10 o'clock on Saturday. Mr. Suddaby seconded. Mr. Robinson moved an amendment that the hour be 8.30 P.M. in winter and 8 P.M. in summer and 10.30 P.M. on Saturday all the year round. Mr. Heath seconded the amendment, for which nine voted. Eleven voted against, and Mr. Staning's resolution was carried. An interesting discussion followed on *Sunday Opening*. Mr. Staning strongly opposed it as unnecessary. He had never opened during his thirty years' practice, though he supplied medicines in case of necessity. Mr. Wharton said he was obliged to open or the public would kick his door in. He thought 8 P.M. to 9 P.M. was sufficient. Other members gave their experience of Sunday opening, the general feeling being that the Sunday hours should not be included in the canvass which is to be made regarding early closing.

Leicester.—The winter session of the Leicester and Leicestershire Chemists' Association was opened on October 3 with a reception by the President (Mr. G. Hampton) and committee. Among those present were Mr. Blockley, Mr. and Mrs. E. H. Butler, Mr. Butlin, Mr. Burford, Mr. Clarke, Mr. W. J. Coates and Miss Coates, Mr. Clayton, Mr. Cort, Mr. Dennis, Mr. and Mrs. Foreman, Mr. and Mrs. Fry, Mr. and Mrs. Freeland, Misses Mabel, Ceilia, and Vida Freeland, Mr. and Mrs. Hearnshaw, Mr. Inglis and Miss Inglis, Mr. Johnson, Mrs. and Miss Johnson, Mr. and Mrs. Lewis, Mr. and Mrs. Nixon, Mr. Lewis Pugh, Mr. and Mrs. Pickering, Miss Richardson, Mr. Stiles (Market Harborough), Mr. and Mrs. E. B. Ward, Mr. Avery (Hon. Secretary), Mrs. Avery, and friends making a total of fifty-eight. An interesting lantern-lecture was given by Mr. W. J. Coates (ex-President of the Leicestershire Photographic Society) entitled "Flowers and their Legends," illustrated by 100 slides. After an interval for refreshments an enjoyable concert was given by Mr. and Mrs. Freeland and their family and friends. A vote of thanks to all who had contributed to the success of the evening brought the meeting to a close.

Manchester.—Professor H. G. Greenish, F.I.C., F.L.S., of the School of Pharmacy, London, opened the session of the Manchester, Salford, and District Chemists' Assistants' Association at the Chemical Lecture-theatre of the Manchester University on Wednesday evening, September 25, with a lantern-lecture on "The Commerce of Drugs." It was interesting and instructive from beginning to end, for besides the ports, especially London Docks, lantern-slides of original packages of drugs were a feature.

Manchester Optical.—The first meeting of the session of the Manchester and North of England Optical Society was held at the Albion Hotel, Manchester, on October 2. Mr. J. C. Kidd (President) was in the chair. A discussion took place on "Strabismus," the President contending that there is no reason why opticians should not treat cases of strabismus. Mr. H. Carter (Heaton Norris) and Mr. J. W. Watkinson (Pendlebury) were nominated as members. After considerable discussion, a resolution by Mr. A. Hershberg was agreed to "That for the purpose of the Federation the federated Societies shall be constituted branches of the Federation, each Society retaining its own individuality and independence of government."

Middlesbrough.—Mr. C. S. Ellington presided at the annual meeting of the Middlesbrough Chemists' Association, held at the Grand Hotel there on Monday evening, October 7. The Secretary's report showed that the past year had been one of great activity and increased membership. The Treasurer's report showed a slight deficit upon the year's working, as expenditure had been heavier than usual. The following officers were elected for the ensuing year: *President*, Mr. W. Caris; *Vice-President*, Mr. E. Denis Owen; *Secretary*, Mr. J. C. Thompson; *Treasurer*, Mr. C. S. Ellington; *Auditor*, Mr. A. W. Harrison; *Executive Committee*, Messrs. R. N. Bennison and Arthur Lee. Mr. Wilson was elected a member of the Association.

N.U.A.P.—A meeting of the London Branch of the National Union of Assistant Pharmacists was held at the London College, Clapham Road, S.W., on October 6. Messrs. Kirby, Bullen, Jordan, Johnstone, Downie, Wilson, C. Terry Holloway, W. H. Bennett, Colston, Clancy, Rees, Peacock, and Fouracre were present. It was agreed to call meetings at the College on the first Sunday in each month, at 3 P.M. Mr. M. A. Bennett, D.B.O.A., 10 Powis Street, Woolwich, was appointed Joint Secretary, in place of Mr. A. Wilson, who is leaving London for the North of England, and to whom a vote of thanks was accorded.

Norwich.—A meeting of Norfolk pharmacists was held at the Castle Hotel, Norwich, on October 2, in response to an invitation issued by Messrs. Percy Robinson and W. J. Lacey, to consider the advisability of forming a local Association. The following were present: Messrs. F. T. Alpe (Wymondham), W. H. Beck, A. E. Beeston, H. Bridges, H. E. Buckingham (Aylsham), H. E. Church (Cambridge), F. Christopherson (Swaffham), F. W. Cooper (Swaffham), J. T. Corder, J. Cossey, W. S. Dawson, H. E. De Carle, T. N. Eastland (Attleborough), F. Eyres, C. H. C. Fitt, S. Gooch (Holt), I. R. Hayes, C. H. Hipperson, W. H. Hurn, A. E. King, H. A. King, W. J. Lacey, F. Larder (Loddon), H. G. B. Legge, T. J. Mallett (Cambridge), G. D. Maynard (Wymondham), E. Nuttall, F. G. E. Plumstead (Attleborough), A. E. Robinson (East Dereham), Percy Robinson, F. Smith, J. Staton, H. E. Taylor, M. R. Vicary, J. M. Weller (Long Stratton), and T. Weight (London). Mr. Percy Robinson was in the chair, and after Mr. W. J. Lacey had stated the object of the meeting, the Chairman said he had received a letter from Mr. Uglow Woolcock regretting his inability to attend. Mr. E. H. Church and Mr. T. J. Mallett, of the Cambridge Pharmaceutical Association, also Mr. T. Weight, a former Hon. Secretary of the Chemists' Assistants' Association, then addressed the meeting, all congratulating those present on the formation of the Association. About forty chemists enrolled themselves as members, and the following were elected as officers and committee: *President*, Mr. Percy Robinson (Norwich); *Vice-President*, Mr. G. Maynard (Wymondham); *Treasurer*, Mr. J. De Carle Smith (Norwich); *Hon. Secretary*, W. J. Lacey (Norwich); *Committee*, Messrs. A. E. Beeston, H. Bridges, J. F. Collin, J. T. Corder, H. E. De Carle, E. Peck, and F. G. E. Plumstead. The Hon. Secretary will be glad if any pharmacist in the city or county desirous of joining, and not having received an invitation, would communicate with him at 3 St. Giles' Street, Norwich.

Sheffield.—Mr. G. T. W. Newsholme presided at the annual meeting of the Sheffield Pharmaceutical and Chemical Society, held in the Literary and Philosophical Society's Rooms, Sheffield, on October 9. The annual report stated that the membership is eighty-five, as against eighty-one last year. The balance-sheet was highly satisfactory; the subscription-list was the largest in the history of the Society. The Chairman remarked that the outstanding feature of the year had been the question of the working of the *National Insurance Act* with regard to pharmacists. This had been a source of great anxiety to the members of the Council. *The Shops Act* had probably worried many people. He thought they had realised the necessity of falling into line and making the Act workable. In reply to a question, the Chairman said he was not in a position to say what chemists were going to get under the National Insurance Act. The Pharmaceutical Standing Committee had agreed to a scale of charges, and he was sure they would be perfectly satisfied with it if the Commissioners agreed to the terms which were laid down. A committee was appointed to revise the rules; and a vote of thanks to the Council was adopted, on the motion of Mr. Eardley. The following were elected *Members of the Council*: Messrs. J. F. Eardley, J. Evans, L. B. Henderson, J. G. Jackson, J. B. Pater, and H. G. Williams.

Shropshire.—Mr. W. Gowen Cross, sen., Shrewsbury, presided over a meeting of the chemists of the county held in that town on October 3 for the purpose of forming an Association for Shropshire. Mr. F. J. Gibson (Wolverhampton) supported the Chairman. On the motion of Mr. W. R. Dunn (Oakengates), it was unanimously agreed to establish a County Association, with Mr. Cross as the first President. Mr. Dunn remarked that it should be their duty to see that Mr. Cross is again returned to the Pharmaceutical Council. Other officers appointed were: *Vice-President*, Mr. W. R. Dunn; *Hon. Treasurer*, Mr. A. Williams (Shrewsbury); and *Secretary*, Mr. W. G. Cross, jun. *A Committee* was formed consisting of these officers and Messrs. Williamson (Much Wenlock), Brown (Ludlow), Jones (Oswestry), Sparrow (Bridgnorth), Barnes (Market Drayton), Picken (Newport), Dunn (Church Stretton), Lee (Whitchurch), and McIntyre (Ellesmere). Mr. Gibson then addressed the meeting on organisation, and explained the steps taken by the Pharmaceutical Council in regard to dispensing under the Insurance Act.

Southend.—A meeting of the South-East Essex Pharmacists' Association was held at Southend on September 30. It was agreed that during the winter the following closing hours should be observed, starting from October 7: Monday, Tuesday, Thursday, 8.30 P.M.; Wednesday, 1 P.M.; Friday, 9 P.M.; Saturday, not later than 11 P.M.; Sunday hours, 6.30 to 8.30 P.M. It was arranged that Messrs. Heywood, Harrington, and Holloway should wait on the Medical Officer of Health to invoke his assistance to obtaining a statutory closing order. It was arranged that the annual meeting and a smoking-concert should take place on November 13, Messrs. Body, Johnson, and Goode being entrusted with the organising of the concert. A committee was also formed to bring about the representation of pharmacists on the District Insurance Committee to be formed in connection with the National Insurance Act.

Torquay.—Mr. J. Taylor presided at a meeting of the Torquay Pharmacists' Association, held at the Northcote Hall, Torquay, on October 8, at 9 P.M. Messrs. Knight, Newlyn, Quant, Dunsford, Burgoyne, Waymouth, and Ventham (Hon. Secretary) were also present. Mr. R. Horner was renominated as Divisional Secretary of the Pharmaceutical Society. Several matters were discussed, and arrangements for a dinner in November were considered.

Tunbridge Wells.—Mr. A. E. Hobbs presided at a meeting of the Tunbridge Wells and District Association of Pharmacists on October 1. Messrs. Batting, Harden, Nicholson, Phillips, Green, Turney, Webb, and S. V. Booth were also present. The minutes of the Organisation Committee were approved and called forth many questions which added greatly to the success of the meeting. Mr. Booth was nominated as Divisional Secretary. Regret was expressed at the death of Mr. Benjamin Whitrow, an old member of the Association, and of Dr. Ranking.

Tynemouth.—The first annual general meeting of the Tynemouth Pharmacists' Association was held on October 1 at the Bath Hotel. There were present Mr. J. Fawcett Hogg (in the chair) and Messrs. Wallace Bell, Buckley, W. J. Bell, Gibson, Golightly, McBryde, Pattinson, Thwaites, Wait, J. B. Williamson, and H. S. Williamson. The annual report and financial statement were adopted. The following officers were elected for the ensuing year: *President*, Mr. J. Fawcett Hogg; *Secretary and Treasurer*, Mr. H. S. Williamson; *Committee*, Messrs. W. Buckley and McBryde; *Auditor*, Mr. W. J. Bell. Messrs. Buckley and H. Pattinson were nominated as Divisional Secretaries. The Secretary reported that the Tynemouth Town Council had agreed to extend the provisions of the Shops Act with regard to the weekly half-holiday to the drug-trade in North Shields, a request to this effect having been unanimous. Dispensing under the National Insurance Act was also discussed.

Yarmouth.—The members of the Great Yarmouth Pharmaceutical Association commenced the present session on October 3, when they met at 156 King Street, Mr. T. J. Woodcock presiding. Messrs. Shearman, Male, Palmer, Hill, Goddard, and Richmond were also present. The report of the deputation to the Local Sanatorium Committee was received. Mr. W. S. Poll's name was suggested as Divisional Secretary.

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., October 10.

THE week under review has shown rather more activity than of late, with a number of important price-changes. Menthol on spot has sharply advanced, consequent on extreme scarcity, and the demand for emetine has led to a further rise in ipecacuanha. The outbreak of war in the Near East has created an unsettled market for opium, the chief point being that the important autumn sowings may be jeopardised by the scarcity of labour. Morphine is firmer, makers preferring to contract for limited quantities only. Japanese refined slab camphor has been in good demand for the Continent. English castor oil is dearer, chamomiles remain steady, and ergot is very firm. Florentine orris is still tending upwards. Quicksilver is cheaper, and quinine has been dealt in at a reduction. In essential oils, American tin oil is very quiet, but bottled oil is scarce and much dearer. Star-anise oil is firmer. New-crop lemon oil has fluctuated in primary markets, with a somewhat uncertain outlook. Clove oil is very firm at last week's advance. Otto of rose is unsettled by the Balkan news, but precautions were taken by prominent dealers to lay in stocks. The market for heavy chemicals continues firm, and it will be seen that the September exports are very satisfactory, as was anticipated. The price of bleaching-powder for 1913 delivery has advanced 20*s.* to 25*s.* per ton; caustic soda is unchanged for next year. Both ammonia sulphate and copper sulphate are the turn easier. Hyposulphite is firmer at some centres, and Epsom salts is 15*s.* per ton higher. Citric and tartaric acids and cream of tartar are all firm markets at unchanged rates. The principal changes have been as under :

Higher	Firmer	Easier	Lower
Bleaching-powder (1913)	Anise oil (star)	Ammonia sulphate	Linseed
Castor oil (Hull)	Canary-seed	Citronella oil	Quicksilver (seconds)
Epsom salts	Coconut oil (Cochin)	Cod-liver oil	
Ipecacuanha	Coriander-seed	Copper sulphate	
Lobelia	Guinea grains	Palm oil	
Menthol	Morphine	Quinine (sec. hands)	
Orris	Opium	Valerian	
Peppermint oil (H.G.H.)	Soda hyposulphite		
Shellac	Soya oil		

London Markets.

Acetate of Lime remains firm, with 80-per-cent. grey offering at 13*l.* 10*s.* Prices for next year's delivery have not been fixed, but it is not anticipated that they will be lower.

Anise Oil (Star).—Holders now ask 6*s.* 9*d.* for "Red Ship" brand on spot, which has been paid, and for oil already declared 6*s.* 3*d.* c.i.f. is quoted.

Aniseed.—Old-crop Russian is selling at 24*s.* to 25*s.* 6*d.* per cwt., according to quality; for new crop, 26*s.* to 27*s.* landed terms is asked.

Benzoin.—One importer of Sumatra has raised his price by 5*s.* per cwt. for qualities below 8*l.* per cwt.; qualities that were valued at 6*l.* 5*s.* are now 6*l.* 10*s.*, and that selling at 7*l.* 5*s.* is now 7*l.* 10*s.* No arrivals have taken place.

Bleaching-powder.—The quotation for English next year's delivery has been fixed for export at 5*l.* 12*s.* 6*d.* per ton c.i.f. Prices for prompt are from 5*l.* 12*s.* 6*d.* to 5*l.* 15*s.*

Buchu.—A fair quantity of both round and ovals has changed hands since the auctions. The quotation for clear green round is 6*s.* 6*d.*, fair 6*s.* 3*d.*, and yellowish and stalky 6*s.*; ovals are quoted at from 1*s.* 10*d.* to 2*s.* 3*d.* as to quality. No arrivals have taken place this week.

The exports from the Union of South Africa during July were 8,898 lb., valued at 1,163*l.*, against 11,847 lb., valued at 1,290*l.*, in July 1911. For the seven months (January-July 1912) the exports were 181,408 lb. (30,507*l.*), against 158,650 lb. (22,868*l.*) in the corresponding period of 1911.

Camphor.—In Japanese 2½-lb. refined slabs a good business is reported to arrive, October-November and November-December shipment selling at 1*s.* 5¼*d.* per lb. c.i.f. Continent; 1-oz. tablets offer at 1*s.* 6¼*d.* c.i.f. China *crude* is quoted 157*s.* 6*d.* per cwt. spot.

Canary-seed is rather dearer, partly owing to the fear of war preventing shipments from Turkey. Common Morocco has been sold at 57*s.* 6*d.* per quarter, and good at 64*s.* to 65*s.* 6*d.*, but higher prices are now demanded. Turkish on passage has changed hands at 57*s.* per quarter c.i.f. terms.

Caraway-seed is firm for old crop at 33*s.* to 34*s.* per cwt. for fair to good Dutch; but new crop, the quality of which is inferior, is reported easier in Holland.

Cardamoms.—A fair business has been done between the auctions.

Castor Oil.—English make is 25*s.* per ton higher, pharmaceutical quality offering at 32*l.* 5*s.*, and first pressing at 29*l.* 15*s.* per ton for October-December delivery in barrels, delivered free on wharf London. Belgian is unchanged, first pressing offering at 29*l.* 10*s.* for prompt and forward, ex wharf London. In Liverpool good seconds Calcutta is quoted 3¾*d.* per lb., and first pressing Belgian at 3½*d.*

Chamomiles remain steady, with medium to fair white Belgian flowers available at about 87*s.* 6*d.* to 90*s.*, and middling at 75*s.* per cwt.

Cinchona.—The exports from Java to Europe during September amounted to 1,693,000 Amst. lb., against 1,772,000 A. lb. in 1911, 1,814,000 A. lb. in 1910, and 2,016,000 A. lb. in 1909. The shipments during the first nine months of the year were 11,648,000 Amst. lb., against 12,306,000 A. lb. in 1911, 14,030,000 A. lb. in 1910, and 11,681,000 A. lb. in 1909.

Citronella Oil is easier, Ceylon offering on spot at 1*s.* 6½*d.* per lb., and to arrive 1*s.* 3*d.* c.i.f. is quoted.

Cocaine.—A Continental advice reports that crude has been firm, and occasionally higher rates have been paid, with a rather brisker demand for hydrochloride at steady prices. Makers' price is 6*s.* 1*d.* net for 175-oz. lots on contract.

Coca-leaves.—The exports of coca from Java in September amounted to 2,100 packages.

Cod-liver Oil is the turn easier, with the usual brands of Norwegian non-freezing oil offering at from 68*s.* to 70*s.* per barrel c.i.f.

Copper Sulphate is the turn easier, the usual Liverpool brands offering for prompt delivery at 25*l.* 5*s.* and March-April at 26*l.* per ton.

Coriander-seed is firmer at 10*s.* 9*d.* per cwt. for common, and 11*s.* 6*d.* for good old-crop Morocco.

Cumin-seed is steady at 22*s.* to 23*s.* per cwt. for ordinary to good Morocco.

Dill-seed is quoted 20*s.* 9*d.* per cwt. c.i.f. terms for shipment.

Dragon's-blood.—No arrivals have taken place. Good reboiled is inquired for, but there is none to be had.

Elemi.—Forty cases have arrived and will probably be offered next week.

Epsom Salts has been advanced by 15*s.* per ton owing to increase in costs of production, the quotation for bags being 90*s.*, up to 115*s.* for kegs.

Ergot is very firm, either Russian or German offering at 3*s*. 9*d*. to 4*s*. per lb. c.i.f. Spanish is obtainable at 5*s*. 3*d*. spot, although it is said a parcel for direct shipment from Vigo has been sold at 5*s*. 9*d*. c.i.f. The Indian Government is in the market with their annual order for 15 cwt.

Fenugreek-seed is unchanged at 10*s*. per cwt. for fair Morocco.

Gamboge.—No arrivals have taken place; fair Siam pipe is quoted 14*l*. 10*s*.

Guinea Grains are firmer, fair quality offering at 57*s*. 6*d*. spot; Hamburg asks the equivalent of 57*s*. 6*d*. to 60*s*.

Gum Acacia.—Soudan sorts are quiet, with sales of fair sorts at 40*s*. on the spot, and for arrival 37*s*. c.i.f. is quoted. Senegal gum is quoted at about 38*s*. 3*d*. per cwt. f.o.b. Bordeaux for Bas de Fleuve.

Ipecacuanha.—Matto Grosso, which is scarce, has advanced by 6*d*. per lb., 10*s*. 6*d*. having been paid for a bale or two. Minas has been sold up to 9*s*. 3*d*., with 9*s*. 6*d*. asked, and to arrive 8*s*. 9*d*. c.i.f. is quoted (about equal to 9*s*. 4*d*. London terms). Cartagena is nominally 9*s*. to 9*s*. 6*d*. The arrivals since the auction comprise 29 bales of Minas, and the new lot of 36 East Indian will be offered next week. The stocks of ipecac. in the warehouse at to-day's date amount to 159 packages, comprising 25 Matto Grosso, 70 Minas, 14 Cartagena, and 50 East Indian.

Kola.—At the spice-auction eight packages West Indian sold at 5½*d*. for fair and 5*d*. for dull. Privately supplies are scarce, with some inquiry, 6½*d*. being wanted for sound halves on spot.

Lemon Oil.—An advice from Palermo, dated October 5, states that the market for prompt delivery remains very firm, the available supply being small and in strong hands. Holders, notwithstanding the lateness of the season, do not show any anxiety as to carrying over part of their stock to the new campaign. As regards new crop, business has been on a small scale this week, and the opportunity has been taken by some exporters to endeavour to ease prices. These efforts, however, have met with great resistance by speculators and growers, whose interest it is to maintain prices. The market, therefore, has fluctuated, and irregular prices have been paid. For shipment the last crop is quoted at 8*s*. 2*d*., and new crop at 7*s*. 4½*d*. per lb. c.i.f. London. On the spot, prices remain firm at from 8*s*. 3*d*. to 8*s*. 6*d*., but it is only occasionally that these top figures are paid. New crop is quoted at from 7*s*. 3*d*. to 7*s*. 6*d*. c.i.f.

Lime-juice.—With plentiful supplies on offer, the quotation for West Indian raw is nominal at from 1*s*. to 1*s*. 6*d*. per gal., as to quality.

Linseed is lower at 65*s*. per quarter for good quality.

Lobelia has advanced 2*d*. per lb. to 7½*d*. for loose; pressed is 5*d*. to 5½*d*.

Menthol has had a sharp advance on spot, up to 31*s*. having been paid for Kobayashi, being an advance of fully 2*s*. 6*d*. per lb. What little stock there is on spot is held by people who believe in still higher prices before the new crop is available. A small parcel to be declared in about a fortnight has been sold at 29*s*. 6*d*. c.i.f., and for September-October shipment 25*s*. to 25*s*. 3*d*. c.i.f. has been paid.

Morphine.—In view of the unsettled position in opium, makers have advanced prices 3*d*. per oz., quoting hydrochloride powder at from 10*s*. 3*d*. to 10*s*. 6*d*. per oz. They, however, prefer to book small orders only, in view of the present position and the limited stocks of opium.

Oils (Fixed).—*Linseed* is practically unchanged on the week, spot pipes closing at 33*s*. and barrels at 33*s*. 3*d*. *Rape* is unaltered at 31*s*. 9*d*. for ordinary brown crude on the spot, and at 33*s*. 3*d*. for English refined in casks. Crude *cottonseed* is quoted at from 25*s*. 9*d*. to 26*s*., and 27*s*. 3*d*. for ordinary pale refined and 30*s*. for sweet refined. Ceylon *coconut* is quiet at 41*s*. on the spot, and at 47*s*. for Cochin, the latter being 1*s*. better. *Soya* in barrels is quoted at 30*s*., being an advance of 6*d*. Lagos *palm oil* is slightly weaker at 34*s*. 3*d*. per cwt. in Liverpool, the spot price being 35*s*. 6*d*. China *wood oil* is quoted at 34*s*. on the spot, and at 34*s*. 9*d*. c.i.f. for September-October shipment. *Petroleum* is unaltered at 7½*d*. for Russian, ordinary refined American at 8*d*., and water-white at 9*d*. *Turpentine*, after slight movements, closes steady at 30*s*. 9*d*. for American on the spot, and 30*s*. 9*d*. for October-December shipment. *Lubricating-oils* show a considerable advance, the value of pale American being from 9*l*. 2*s*. 6*d*. to 12*l*. 12*s*. 6*d*., Black at from 8*l*. 2*s*. 6*d*. to 9*l*. 2*s*. 6*d*., and Russian at from 10*l*. 12*s*. 6*d*. to 11*l*. 12*s*. 6*d*. per cwt.

Opium.—The war in the Balkan States has led to an unsettled feeling in this market and business to arrive is at a standstill, buyers not wishing to make further contracts in view of the uncertainty, while sellers refrain from making definite offers. On the spot prices have fully advanced 6*d*. per lb., a fair business having been done in Turkey druggists' at 22*s*. per lb.

A Smyrna correspondent writes on September 27 that the sales this week amount to 96 cases, 30 of which are for account of local speculators, and the balance for England and the U.S.A. Quotations have not altered since issuing our last circular of September 20. The arrivals in Smyrna are 1,540 cases, against 737 at same date last year.—A Salonica correspondent writes on September 30 that the market is quiet, but, in spite of this, holders are none the less firm and are not disposed to make concessions. Rather important contracts have been concluded in Constantinople, this accounting for the firmness of holders on our market.—A Constantinople correspondent writes on October 3 that the sales amount to 38 cases druggists' quality at from 285 to 300 ptrs., and 8 cases "soft" shipping and Malatias at from 300 to 345 ptrs. During the same period about 100 cases were sold in Smyrna at from 180 to 200 ptrs. per chequi. In spite of the political situation, the market is firm, this being attributed to the fact that the autumn sowings have not begun owing to lack of rain. Following on the general mobilisation for war, the sowings may be abandoned in the absence of labour.

Reviewing the opium-market, the September (quarterly) issue of the British Chamber of Commerce in Turkey states new crop opened at about 240 ptrs., and this price was maintained for a short time. As soon, however, as European and American buyers commenced operating, native speculators took the bull by the horns and forced up prices against them. During August a buyer of 50 cases was obliged to pay up to 310 ptrs. on the Constantinople market to complete his requirements; Smyrna at the same time was at a higher level. A period of quiet has since set in, and stocks having accumulated everywhere, holders are now very anxious to sell and will accept 280 ptrs. Consumers' turn has now come, however, and they are taking their opportunity and keeping off the market, with the result that holders are now very nervous, and may have to accept a very much lower level in the near future if former maintain their present reserve. Should good rains fall during September, sowings will be made on a large scale, and this will also have considerable effect on the position. Comparatively little opium has been taken from Constantinople and Smyrna during the past two months, the bulk of the world's requirements having been supplied by Salonica, which has gathered in a crop of 2,000 cases, very fine quality. Close on to 1,300 cases of above have been sold for export, as against less than 500 druggists' and soft together. The crop has yielded fully 7,000 cases, of which 2,000 cases Salonicas, 1,300 cases Asiatic "soft," and the balance druggists'. [This was written before war broke out.]

Orange Oil.—A Palermo advice, dated October 5, reports a neglected market at unaltered rates for both prompt and new crop. *Sweet* of the last crop is quoted at 8*s*. 3*d*., and new crop at 7*s*. 5*d*., while *bitter* of the last crop is 8*s*. 3*d*. per lb. c.i.f. London.

Orange-peel is in jobbing demand at 9*d*. per lb. for good bright strip.

Orris.—One of the leading exporters has advanced his price for Florentine by 4*s*. per cwt., by wire to-day, to 57*s*. per cwt. c.i.f. London for good sorts, without engagement.

Otto of Rose.—The fact that war has broken out in the Balkan States has led to an unsettled feeling in this market, inasmuch as supplies may be prevented from coming forward from Bulgaria and Constantinople. Precautions have, however, been taken by dealers on this side and there is a fair stock on hand.

Peppermint Oil.—American tin-oil is extremely quiet on spot, but previous prices of from 11*s.* 9*d.* to 12*s.* are still quoted for finest brands of so-called Wayne County. With a scarcity of H.G.H. on spot, the quotation at the close is 15*s.* 9*d.* for a case or two. To arrive a good business has been done for October-December shipment at from 14*s.* 9*d.* to 15*s.* 3*d.* landed terms.

Potash Prussiate remains firm at from 6¾*d.* to 7*d.*, and *soda* is 3¾*d.* to 4*d.* per lb.

Quicksilver is weak, at last week's reduction to 8*l.* per bottle from the importers, second-hands quoting 7*l.* 14*s.* 6*d.*

Quillaia is steady at 25*l.* to 25*l.* 10*s.* per ton, ex store Liverpool.

Quinine.—An exceptional sale appears to have been made by a weak holder at 8*d.* per oz. for B. and S., and/or Brunswick, but there are now no spot sellers under 8¼*d.*

The "Preanger Bode" states that the agreement between Java cinchona-planters and the Syndicate of Quinine Manufacturers is not yet complete. The chief obstacle appears to be that the manufacturers insist on controlling any new factory built in Java.

Rhubarb.—News has been received in London to-day that the *Dacre Castle* from China to New York has been wrecked in a typhoon, the cargo including 300 cases rhubarb.

Saltpetre is very firm, English refined offering at 26*s.* in barrels and 27*s.* in kegs; German in barrels at 21*s.* 6*d.* and kegs at 22*s.* per cwt.

Santonin.—The recent series of advances enables second-hand holders (who, however, have quite limited supplies) to offer at below the Syndicate prices. Business in quite small lots has been done at 96*s.* 9*d.* per lb.

Sarsaparilla.—The arrivals comprise about 12 bales grey Jamacia, and a small parcel of red Native. Deliveries from the warehouse were very good during September.

Senega.—A New York cable to-day quotes 2*s.* 8*d.* per lb. c.i.f.

Shellac is about 1*s.* per cwt. dearer, with a much improved demand, the sales including fair TN on a basis of 70*s.*, and AC Garnet has been sold at 65*s.* For arrival, TN Orange for November-December shipment has been done at 70*s.* c.i.f. and further buyers. Futures are also dearer, the sales including October delivery at 70*s.* 6*d.* to 71*s.*, December at 70*s.* 6*d.* to 72*s.*, and March at 72*s.* 6*d.* to 74*s.* and buyers.

Soda, Caustic.—One of the English makers announces that his prices for delivery over 1913 are 9*l.* 2*s.* 6*d.* per ton for 60 to 62 per cent., and 10*l.* 2*s.* 6*d.* for 70 to 72 per cent., ex wharf London. Prices are unchanged, the decline in alkali governing the situation.

Spearmint Oil.—Since we last quoted the price has advanced a 1*s.* to 1*s.* 6*d.*, being offered at 19*s.* 6*d.* to 20*s.* 6*d.* per lb., according to holder.

Spices.—At auction, 40 bales of rather mixed Zanzibar *Cloves* were bought in at 8½*d.* Privately prices are again dearer, the value of fair on the spot being 8⅜*d.* To arrive business has been done in October-December at 8⅜*d.* to 8½*d.*, the value of January-March being 8⅝*d.* c.i.f. For January-March delivery business has been done at 8½*d.* and buyers. *Ginger* was quiet in auction, 440 packages of Cochin and Calicut being offered, of which 28 sold without reserve, including bold A cut at from 80*s.* 6*d.* to 81*s.* 6*d.* and C cut at 54*s.* 6*d.* Fine bold round Calicut rough was bought in at 45*s.*, and washed rough Cochin at 40*s.* *Capsicums* were steady, 62 bags Nyasaland selling at 27*s.* for fair bright, and 80 bags of Japanese *Chillies* were bought in at from 32*s.* 6*d.* to 35*s.* for fair red. *Mace* was steady, 25 packages of Java selling at 2*s.* 5*d.* for good red and 2*s.* 2*d.* for broken; four packages of West Indian also sold at from 2*s.* 3*d.* to 2*s.* 4*d.* for good to fine pale thin and 2*s.* to 2*s.* 1*d.* for broken. *Nutmegs* were firm, 68 packages of limed Java being disposed of. Of *Pepper*, 70 bags of Ceylon were bought in at 5⅝*d.* Privately the market is quiet, with sellers of fair Singapore at 5⅝*d.* Arrival business is small, the sales including Singapore for October-November shipment at 5 9/32*d.* Of *white* pepper at auction, 120 bags Ceylon sold at 8½*d.* to 8¾*d.* for fair and 8⅜*d.* for brownish. Privately the demand is quiet, with spot sellers of fair Singapore at 9*d.* and fair Muntok at 9⅜*d.* The arrival market is steady, the sales including October-December at 8¾*d.* c.i.f. and sellers. Also Penang for the same shipment at 8 5/16*d.* and Muntok at 9⅛*d.* per lb. c.i.f. delivered weight.

Sulphur.—In Liverpool refined is quoted at 5*l.* 15*s.* per ton c. and f., for flowers and roll for shipment.

Valerian.—The new Belgian crop is offered at rather lower prices; in one quarter 31*s.* c.i.f. is quoted.

Heavy Chemicals.

The general condition of the heavy-chemical market continues much the same as recently reported. Inquiries are good both for prompt and forward, and shipments particularly are active. Here and there buyers show some disinclination to close for forward, but this is by no means general, and considering the higher prices which are mostly to be paid the position is satisfactory.

Sulphate of Ammonia continues on the quiet and weak side, and prices are a shade lower. Present nearest figures: Beckton, prompt, 25-per-cent. ammonia guaranteed, 14*l.* 2*s.* 6*d.*; London terms, 13*l.* 10*s.* to 13*l.* 12*s.* 6*d.*; Leith, 14*l.* 7*s.* 6*d.*; Liverpool, 14*l.* 6*s.* 3*d.*; and Hull, 14*l.* 5*s.*

Alkali-produce.—The tone in this branch is a very steady one, and there is an active demand. Bleaching-powder very firm, with steady request and stock low. Quotations for prompt and next year, 5*l.* 5*s.* to 5*l.* 15*s.* per ton for softwood casks, free on rails. Caustic soda continues to move well; 76 to 77 per cent., 10*l.* to 10*l.* 10*s.*; 70 per cent., 9*l.* 5*s.* to 9*l.* 15*s.*; and 60 per cent., 8*l.* 5*s.* to 8*l.* 15*s.* Ammonia alkali continues in good request at 2*l.* 17*s.* 6*d.* to 3*l.* 10*s.*, free on rails for home trade. Soda-crystals, 2*l.* 2*s.* 6*d.* to 2*l.* 5*s.* per ton, in bags, free on rails. Bicarbonate of soda is somewhat on the quiet side, at 5*l.* to 5*l.* 15*s.* per ton, according to packages, etc. Saltcake keeps moving at unchanged rate of 42*s.* 6*d.* Chlorates of potash and soda are in fair request at 3½*d.* to 4*d.* per lb. Yellow prussiates of potash and soda firm, with advancing tendency from about 7*d.* and 4*d.* respectively. Hyposulphite of soda is firmer, and generally is bringing higher prices; present figures run from 4*l.* 17*s.* 6*d.* to 5*l.* 2*s.* 6*d.* per ton for ordinary crystals in casks and in larger lots, with extras for smaller quantities. Deliveries in 1-cwt. kegs vary from 5*l.* 10*s.* to 7*l.* 15*s.* per ton, according to quantity and quality. Silicates of soda are in good average request; 140° Tw., 4*l.* 7*s.* 6*d.* to 4*l.* 17*s.* 6*d.*; 100° Tw., 3*l.* 17*s.* 6*d.* to 4*l.* 7*s.* 6*d.*; and 75° Tw., 3*l.* 10*s.* to 4*l.* per ton, according to quality, quantity, and destination.

Manchester Chemical-market.

October 8.

Returns of exports of heavy chemicals for the month of September have been, as was generally expected, satisfactory, and values have been well maintained, and in some cases increased. Bleaching-powder for delivery over 1913 has been fixed at 5*l.* 7*s.* 6*d.* per ton for softwood casks, on rails, but caustic soda is unchanged. Ammonia alkali, 58 per cent., remains firm at 3*l.* to 3*l.* 5*s.* per ton, in bags, on rails at makers' works. Soda-crystals and saltcake show little or no change. Miscellaneous articles tend upwards. Sulphate of copper is rather easier at 25*l.* 7*s.* 6*d.* to 25*l.* 12*s.* 6*d.* per ton for best brands, delivered Manchester. Green copperas is 12*s.* 6*d.* to 15*s.* per ton in bulk, on rails, Manchester, and 37*s.* 6*d.* to 42*s.* 6*d.* per ton, f.o.b. Liverpool. Alum, loose lump, 5*l.* 12*s.* 6*d.* to 5*l.* 17*s.* 6*d.*; lump, in tierces, 6*l.* 2*s.* 6*d.* to 6*l.* 9*s.* 6*d.*; ground, in bags, 6*l.* 7*s.* 6*d.* to 6*l.* 15*s.* per ton, f.o.r. Manchester. Black oxide of manganese, 95 per cent., 29*l.* to 30*l.*; 80 to 85 per cent., 6*l.*; 70 per cent., 5*l.*; and 60 per cent., 4*l.* 15*s.* Hyposulphite of soda in quiet request, at 5*l.* 10*s.* to 6*l.* per ton. Phosphate of soda also in small inquiry at about 10*l.* per ton. Pot and pearl ashes rule dull. Sulphate of potash in buyers' favour at 10*l.* per ton, but carbonate in fair inquiry at 19*l.* to 19*l.* 5*s.* per ton for 90 per cent. and 92 per cent. Yellow prussiate of potash steady at late rates. Nitrate of lead very firm at 31*l.* to 32*l.* per ton. There is a decline in the raw metal, and this may have some effect in buyers' favour. Rectified sulphuric acid quietly steady at 4*l.* per ton, 167° to 170° Tw., f.o.r. at works. Coal-tar products quiet. Sulphate of ammonia is 14*l.* 5*s.* to 14*l.* 7*s.* 6*d.* per ton, f.o.r. Manchester.

American Peppermint Oil.

Messrs. R. W. Greeff & Co., in the course of a circular issued on behalf of *Rudd's* brand, state that it now appears to be established that the estimated yield this season will be several thousand pounds less than anticipated. The season is regarded as one of the most peculiar experienced,

in consequence of the unusually late collection and distillation, the growers having only recently been willing to sell freely. According to all appearances no decline in price is expected, and there is every prospect of a further improvement taking place; market is very firm, and large quantities have still to be bought.

Japanese Peppermint Oil.

The "Board of Trade Journal" (October 10) contains an article on Japanese peppermint oil, which has been received from H.M. Commercial Attaché at Yokohama. Many of the statements made are well known to the trade, but it is of interest to note that in 1911 the farmers obtained good prices, and in ordinary circumstances there would have been an excessive supply planted this year; but, owing to the high prices obtainable for rice, farmers as a general rule preferred to plant it instead of peppermint. The result is that, though this year's crop of the latter is larger than that of last year, the price has kept very high, because the demand for menthol in Europe—for reasons unknown in Japan—seems to have increased.

Java Government Cinchona.

The report on the Cinchona Undertakings of the Java Government for the second quarter of 1912 states that on the whole the weather conditions were satisfactory both for plant development and for cultural operations. Preventive work against insect-pests was vigorously carried on, and the plague of caterpillars mentioned in the previous report shows signs of diminishing. In the first six months of the year 400,000 kilos. of bark was harvested, and about 25,000 kilos. had been conveyed to Tandjong Priok by the end of June. The labour supply was better, but is not yet satisfactory, so that in some of the gardens cultivation is still in a backward condition. Selection experiments on the basis of alkaloidal content are being continued with *Cinchona Ledgeriana* and are being extended to *C. robusta*. In this direction the example of the Government has been followed on the Malabar estate, where now also Ledgeriana trees, selected in this way, are being grown with success, bark from two-year-old trees having given 7.20 per cent. and that from three-year-old trees 10.45 per cent. of quinine sulphate. A seed sale was held at Bandoeng on May 6, and the seed obtained from the Mengsel Rioeng Goenoeng was in particularly good demand, one packet of 25 grams of Ledgeriana seed being sold for fl.296. The total proceeds were as follows: Sixty packets Ledgeriana seed, fl.15,862; sixteen of Succirubra seed, fl.850; seven of hybrid, fl.875; total, fl.17,587.

Camphor in Malaya.

In the course of the annual report on Agriculture in the Federated Malay States during 1911 it is stated that a little damage was done to the old camphor at Batu Tiga by a thread-fungus. All the diseased branches were cut off and burnt, with the result that this plot is now free from disease. The young camphor at Batu Tiga has done exceptionally well, being quite free from thread-fungus. Towards the end of the year young camphor-trees were pruned and the cuttings sent to the Agricultural Chemist for experimental purposes. The trees developed new shoots with wonderful rapidity, so much so that it would seem likely several prunings can be obtained in a year. Several pounds of Japanese camphor-seed was received from Japan and planted in nursery beds. The results obtained were far from satisfactory; only a few seeds germinated. A circular of the Royal Botanic Gardens, Ceylon, Vol. IV., No. 3, May 1907, states that camphor-seeds are said to ripen in Japan in the month of November, and that seeds received in January gave an average of 1,000 plants from each pound, that is about 20 per cent. The seeds received in Ceylon in August were found to be of very poor quality, and only about ten plants resulted from each pound. The seeds planted in Malaya were received about the end of March, which probably accounts for the poor results obtained. It would thus appear that orders should be sent to Japan in September. Several methods were tried to propagate root-cuttings, but none were successful; further experiments are to be made. At present probably the best way to obtain a stock of plants is to order two-year seedlings from Japan. During the latter part of the year a more thorough investigation of the distillation of camphor was carried out by the Agricultural Chemist in order to complete the preliminary experiments of 1909 and to ascertain whether the industry was likely to prove remunerative. A bulletin is now in the press, and will shortly be published, on the work carried out, and will demonstrate that, provided satisfactory methods of propagating the plant can be accomplished, the cultivation should prove quite a useful one.

London Chamber of Commerce.

A JOINT MEETING of the Chemical and Perfumery Trades Sections was held in the offices, Oxford Court, E.C., on Wednesday, October 9, at 2.30 P.M. Mr. John C. Umney, F.C.S., Chairman of the former Section, presided, Mr. Eugene V. Barrett, Chairman of the Perfumery Section, supporting him. The object of the meeting was to consider the request of the Dominions Royal Commission for evidence on questions within the terms of their reference, and to determine as to the evidence which should be offered on behalf of the Sections, and, in this connection, to consider a suggestion that the attention of the Commission be drawn to the desirability of developing in various parts of the Empire the cultivation of medicinal drugs and raw materials for essential-oil distillation. Among those present were: Messrs. G. Stafford Allen and Kenneth C. Allen (Stafford Allen & Co., Ltd.), Arthur A. Barrett (Messina), Horace Barrett (J. & E. Atkinson, Ltd.), R. H. Brittain (Prichard & Constance, Ltd.), Charles Brookes (American Drug Stores), Charles S. Dolley (Mexico), J. Herbert E. Evans (Liverpool), Ralph S. Gosnell (John Gosnell & Co., Ltd.), J. Griffiths, Charles Alex. Hill (The British Drug Houses), E. M. Holmes, Peter MacEwan, C. H. J. Tanner (Crown Perfumery Co.), W. Phillip Want, E. A. Webb (Evans, Sons Lescher & Webb, Ltd.), and Paul T. White (A. White & Sons). The Chairman opened the proceedings by stating

THE CASE FOR INQUIRY.

This meeting, he said, is the direct outcome of the Presidential Address of Sir Edward Evans to the British Pharmaceutical Conference, held in Edinburgh at the end of July. Sir Edward Evans, as President of the British Pharmaceutical Conference, brought his wide experience of business to bear upon a subject which is of the very greatest importance to this Empire. Having travelled through Canada and the United States comparatively recently, he was able to see what advance had been made, especially in the United States, by the establishment of a Bureau of Plant Industry under the Board of Agriculture, where all questions relating to the development of cultivation are considered. There can be no question that the work which has been done in the United States in connection with plant cultivation is of the highest importance, and this is evident from the publications that are made from time to time, such as that recently issued on the cultivation of hydrastis. Sir Edward Evans advocated in general terms the appointment of a Department attached to the Board of Agriculture which should have similar functions to that in the United States. The broad views that he then expressed were elaborated by Mr. J. Herbert Evans, whose company we have the advantage of to-day. In Mr. Herbert Evans's paper details were given of the possibilities of extension of the cultivation of drugs, etc., and instances were quoted by him where plants indigenous in one country, and originally marketed from one country only, had been introduced into other countries and established on a very firm foundation. Mr. Herbert Evans referred to the fact that our Empire embraced practically every variety of climate and situation, and with the means of transport at the disposal of this vast Empire, and also with our scientific knowledge, he showed that it was highly desirable, and indeed practicable, that this subject should be developed. He suggested that the minor Government assistance which had already been given should be considerably extended, and it is hoped that this suggestion will fall on willing ears. I think I am right in saying that it was the editor of the "British and Colonial Druggist" who called attention to the sympathy that was likely to be extended to the suggestion by the Royal Commission on Resources and Trade of the Dominions, then sitting under the chairmanship of the Right Hon. Arnold Morley.

The mantle of Presidency of the British Pharmaceutical Conference has in the meantime fallen from the shoulders of Sir Edward Evans on to very unworthy ones in my own, and after consultation together Sir Edward Evans and myself have come to the conclusion that the best way to deal with this most important subject is through the powerful machinery of the London Chamber of Commerce. In this decision we have been largely guided by the fact that several sections of the Chamber, notably the Textile Section, have already had the question under consideration, and have expressed their willingness to give evidence through their members before this Royal Commission. The

Commission, as you are probably aware, includes representatives of the United Kingdom, Canada, Australia, New Zealand, South Africa, and Newfoundland, and I have no hesitation in saying that recommendations that might be made to these Commissioners, even if they are not capable of adoption by those particular colonies, yet would be brought under the notice of other colonies, where the possibilities of adoption and development would be more likely.

I have already stated that in his paper Mr. Herbert Evans drew attention to certain specific instances where unquestionably drugs now cultivated outside our dominions could be equally well cultivated within them. I will not refer in detail to those, but will suggest that Mr. Herbert Evans shall refer to them in the remarks which I will ask him to make. I would, however, like to explain that it did seem to me that in the consideration of this subject there was another branch where plant cultivation in our dominions would be of inestimable advantage. I refer to the cultivation of material for the distillation of essential oils. The subject is one to which I have devoted very great attention, and which was elaborated to some extent in papers which appeared in the "Perfumery and Essential Oil Record" of September, dealing more especially with the possibilities of cultivation in Mexico, by an expert who is present here, Dr. Dolley, but who, in addition to interests in Mexico, has large interests in the West Indies (in the Bahamas), and also dealing with certain preliminary trial cultivations which have been made in Australia at the suggestion of the Government, and also in Sicily. These are only cited as showing the possibilities of cultivation in different parts of the world, and the extension of cultivation within our own dominions is only a question that needs the serious consideration of the botanical experts.

It was with the very greatest pleasure, therefore, that Mr. Barrett, as Chairman of the Perfumery Section of this Chamber, notified his willingness to join forces with the Chemical and Drug Section for the consideration of this most important subject. Mr. Barrett, of course, will speak for himself and the perfumery trade. All I need say is that there is probably no business in this country which is so dependent upon materials drawn from different parts of the world as is the perfumery trade, and the recent speculations and cornering in essential oils have naturally led the perfumer to the most serious consideration of the problems of cultivation of material for distillation within our own dominions. I do not put forward as a panacea, for example, against famine prices of bergamot oil the cultivation of bergamot in Rhodesia, or possibly in Uganda, nor the cultivation of roses in some district which has a climate and soil corresponding with that of Bulgaria for otto of rose; but there can be no question that many of the oils which are so largely used in manufacture as starting points, or which are important products in perfumery, can be produced within some of our own dominions, distributed in almost every latitude and longitude throughout the world.

The Chairman also read the following notes by Mr. F. Ransom, who was absent through illness :

I believe that English manufacturers always prefer to use the products of the British Colonies when possible, and that they can usually place more reliance on the quality of such than of those obtained from foreign countries. It would appear that the most likely drugs to cultivate would be those which are comparatively high in price. It would be difficult to compete with cheap products which are collected from plants growing wild in Central Europe and elsewhere.

Hydrastis canadensis, being now worth about 20*s*. per lb., or six times the value of a few years ago, should offer some encouragement for cultivators. Similar conditions to those in which it is grown in the United States of America could probably be found in Canada. During the present year some adulteration has been noticed, and it would be an advantage to be able to obtain a drug on which complete reliance could be placed.

Euonymus-bark is also dearer than formerly, and probably offers no great difficulty in cultivation.

Podophyllum peltatum, another drug in large demand, might be cultivated in Canada, but possibly the price obtainable is hardly sufficient to attract growers.

Arnica montana, although formerly plentiful, has during recent years become very scarce, and that which is offered is often not in good condition. A spurious article is, I believe, largely used on the Continent, and is occasionally offered in this country. In a suitable climate it should not be difficult to grow, and might be profitable.

Lavender is said to have been grown with satisfactory results in Victoria (Australia), and with the higher price for oil now obtainable should be a success.

Caraway and *dill* should also be worth experimental growing in suitable districts.

Active encouragement by the Dominion Governments would probably be necessary, and financial assistance might be required to induce farmers to experiment on a commercial scale.

DISCUSSION.

Mr. Eugene V. Barrett was the first speaker called upon by the Chairman. As Chairman of the Perfumery Section of the Chamber, he stated that he had given very careful consideration to the suggestions that had been made by Mr. Umney. As a consequence he heartily endorsed all that had been said, both with regard to the difficulties arising from cornering and speculation in essential oils, and to the climatic conditions where the variations were such that the oils were produced in one district only. Pleased as he would be to work in hearty co-operation with the Chemical Section of the Chamber, he desired to remind his chemical friends that, in the final judgment, too much stress must not be laid upon the analytical results. Perfumery experts, he added, should have the final valuation of the oils as well as of the analysis.

Mr. J. Herbert E. Evans, at the request of the Chairman, elaborated the remarks which he made in the paper read before the British Pharmaceutical Conference meeting at Edinburgh. He stated that he dealt especially with the drugs, largely consumed, which were produced within comparatively limited areas where difficulties might arise from labour troubles, from disturbed local conditions, and from a whole host of other unforeseen circumstances. In this connection he referred especially to such drugs as cascara, hydrastis, and others which are subject to considerable fluctuation in price, but which unquestionably could be cultivated in Canada as well as in the United States. Commenting upon the results which have followed investigations in botany, he referred to certain drugs which are now cultivated on a large scale in parts of the world other than those in which they were truly indigenous, such as cocoa, ipecac., etc.

The Chairman then moved a resolution as follows :

"That this joint meeting of the members of the Chemical and Perfumery Sections of the Chamber, and others interested, having considered the suggestions brought before the meeting, is in favour of evidence being given before the Dominions Royal Commission as to the possibility of extending, within the British Empire, the cultivation of medicinal drugs and raw materials for essential-oil distillation."

Mr. Eugene V. Barrett having seconded the motion, it was unanimously agreed to.

Mr. Barrett commented briefly but pointedly upon the difficulty that will be experienced in bringing evidence, that can be relied upon for accuracy, with regard to botanical conditions before the Commission.

The Chairman endorsed what Mr. Barrett had said on the point raised, and called upon Mr. Holmes (Curator of the Pharmaceutical Society) to express his views, especially from the standpoint of the botanical expert.

Mr. Holmes said that he had availed himself of the opportunity afforded him in his garden of cultivating, on a small scale, many plants which are of the greatest industrial importance. Referring especially to the cultivation of certain types of roses, he showed how excellent perfumes can be obtained. He gave some interesting particulars regarding the cultivation of *Mentha* species yielding menthol, and stated that as an outcome of his investigations he had come to the conclusion that elaborate cultivation experiments should be made, in the first instance, to determine the suitability of soil and climate in different parts of our Colonies for the growing of innumerable plants of utility for manufacturing purposes. In his view, a subsidy or grant from the Government was absolutely necessary.

Mr. A. A. Barrett gave particulars regarding the cultivation of bergamot in various parts of the world. He indicated the very limited area within which that tree and its congeners can flourish. He instanced the fact that within a few miles of the districts where bergamot most flourishes, and where the climate, if not the soil, must be similar, it rapidly dies. He instanced

a case where he had grown varied species of *Citrus* in his own garden. All had been successful with the exception of the bergamot. He also referred to experiments which had been made in the distillation in Sicily of essential oils of various kinds, including peppermint and rosemary. These, he added, had been reported upon some years ago by Mr. Umney. One curious fact, he added, is that while it is possible to produce in Sicily the oil of the peel of bitter oranges, it is not possible to produce oil of bitter-orange flowers (neroli).

Mr. Kenneth Allen, who is one of those who have been appointed by the British Pharmaceutical Conference to give evidence before the Commission, stated, in reply to a question put to him by the Chairman, that he had attended to hear the views of those present with the view to preparing representative evidence.

Dr. Dolley (who attended at the request of the Chairman and is the author of an interesting article on "The Possibilities of Flower Cultivation in Mexico" in the "Perfumery Record") gave particulars regarding investigations in the botanical gardens of the principal West Indian Islands, including Jamaica, Trinidad, the Bahamas, etc. The conclusion he drew from these was that there is the very greatest probability of many of the plants for oil-production being successfully cultivated there.

The Chairman, having stated that the remarks made were valuable, suggested that the following gentlemen should be asked to give evidence before the Commission:

For the Drug Section (including drug materials and medicinal preparations): Mr. Francis Ransom, Mr. J. Herbert E. Evans, Mr. Kenneth C. Allen, Mr. E. M. Holmes, and Professor Greenish.

He also suggested that evidence with regard to perfumery and essential oils should be given by Mr. Eugene V. Barrett and himself.

Mr. Barrett suggested that the Section should lay before the Commission recommendations that certain things should be done.

The Chairman indicated generally what is intended to be done, and explained that already a vast body of evidence has been prepared.

It was resolved that the gentlemen named by the Chairman should be elected to give evidence according to their particular pursuits.

The Secretary (Mr. Musgrave) mentioned that the evidence would be typed and submitted to the Secretary of the Commission by the week after next; and the Chairman arranged that the witnesses should confer with each other in due time.

The proceedings then terminated.

Australasian Trade Section.

At a meeting of the above section, held at the Chamber of Commerce offices on October 8, the chief topic under consideration was the evidence to be offered to the Dominions Royal Commission on behalf of the section in regard to matters affecting commercial relations between Australasia and Great Britain. Apart from this, a matter of interest to the drug-trade is the Australian requirements regarding the labelling of foodstuffs, drugs, etc., to which the attention of the Board of Trade has been drawn. It appears much inconvenience has been experienced by British exporters and manufacturers owing to the varying requirements of the several States of the Commonwealth. The question of securing greater uniformity of food and drug standards throughout the Commonwealth is at present engaging the attention of several State Governments, and an Inter-State Conference is in contemplation at which it is hoped to frame uniform standards and regulations which may be acceptable to all the States. British manufacturers and exporters of these articles who have experienced difficulties in consequence of the varying nature of the requirements of the different States have now an opportunity of bringing these difficulties to the notice of the State Governments concerned. Mr. Charles E. Musgrave (Secretary of the Chamber) announced at the above meeting that he had received a number of letters from various sections, and would be glad to receive further particulars of any difficulties for the information of the Board of Trade, with a view to their being brought to the notice of the several State Governments through H.M. Trade Commissioner in Australia.

Correspondence

Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with.

Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest.

Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Shops Act: Hours of Closing.

Sir,—The extract made by you from a report of some remarks I made at a meeting of the Leyton U.D.C. is correct, but the report was not so. I did not make such an absurd statement that "all the business is done between 9 and 10 p.m." I was referring to the business conducted at a branch in a working-class district, and said that "between 9 and 10 p.m. is the busiest hour of the day." Notwithstanding this I was supporting a recommendation that 9 p.m. should be the compulsory hour of closing, and opposing the amendment which was in favour of 8 p.m. The amendment, however, was carried by a large majority. I have spoken to several chemists in the district and they all agree with me that adopting such an early hour is too revolutionary and will materially interfere with business. Yours faithfully,

Leytonstone, October 4. J. H. Matthews.

Chaulmoogra Oil.

Sir,—As shippers of this, we incline to your correspondent "Pharmaceuticus'" belief that the oil with the *thick* deposit is the genuine article, and the product of *Gynocardia odorata* as described in the old B.P. and mentioned by your correspondent as having been expressed by Messrs. Power and Gornoll. The clear oil, which we know has lately been sent to London in considerable quantity, is the product of *Hydnocarpus Wightiana*, or false chaulmoogra, the seeds of which are very like the first-mentioned. Respectable long-experienced Indian (native) druggists plump unhesitatingly for the thick oil. Our experience leads us to think, however, that probably very little oil is ever made solely from the true chaulmoogra-seeds, but from a mixture of the two, as the "false" gives a much greater yield of oil and costs half the price. Castor oil is also added as an adulterant. Both varieties have medicinal properties. Lately, however, there has been a demand from Europe for the clear oil, probably in ignorance. Would it not be well for a London wholesale druggist to import both varieties of seeds and express an oil from each and report on same? We shall be pleased to supply the seeds of each variety freshly gathered and quite distinct. There is little chance of a European buyer ever getting the pure product of the "true" variety alone by importation. Increased demand for this oil indicates greater interest in this medicine than has been evinced for many years, and now seems a good time to establish a standard preparation.

Very truly yours,

Calcutta, September 17. Chaulmoogra. (72/21.)

[We have submitted specimens of the seeds received from the writer to Dr. F. B. Power, who informs us that neither of the specimens is correctly designated. The one bearing the label "True Chaulmoogra, Gynocardia odorata," is indeed the true chaulmoogra—*i.e.*, the seed from which chaulmoogra oil is obtained, but this is derived from *Taraktogenos Kurzii*, King, and not from *Gynocardia odorata*, since the oil from the latter, as Dr. Power and his associates have shown, is totally different in character and composition from chaulmoogra oil. The second specimen of seeds is labelled "False Chaulmoogra, Hydnocarpus Wightiana," and it consists of the seeds of *Gynocardia odorata*, R.Br. We compare below the principal characters of three expressed oils examined in the Wellcome Chemical Research Laboratories: I, True chaulmoogra oil from the seeds of

Taraktogenos Kurzii; II, Oil from the seeds of *Gynocardia odorata*; and III, Oil from *Hydnocarpus odorata*:

—	I	II	III
Condition	Soft solid	Liquid	Soft solid
Colour	Yellow	Yellow	Faint yellow
Sp. gr. 25° C.	0.951	0.925	0.958
Melting-point	22°–23° C.	—	22°–23° C.
Saponification-value ...	213.0	197.0	207.0
Iodine-value	103.2	152.8	101.3
Acid-value	23.9	4.9	3.8

Our Calcutta correspondent's observations regarding the liquid oil apparently apply to one like II, but the seed is the one which yields III; perhaps further light may be thrown upon the matter.—Editor, *C. & D.*]

The Rise of Drug-stores: Why?

Sir,—Would "Infelix" wish that one of the "Minor" questions might be, "Do you feel called to the holy profession of pharmacy?" Certainly he would like to receive eighty replies to his advertisement, all opening with "May I have the honour of working for you night and day? Remuneration no object." We have met his kind before But the chemist of to-day has to realise with the doctor of to-day that "professionalism" counts for nothing with the general public. The mass of humanity can be as efficiently supplied with medicine by the storeman, who knows his work, as by the "professing" pharmacist who talks about knowing his work. Each has to pass the same test of skill and knowledge to be registered. Who is there to "look up" to in a chemist who pays low wages for long hours? We all know who fears the future most; and we still wait for the names of the hundreds of "professional" pharmacists willing to pay from 200*l.* to 500*l.* per annum.

Yours faithfully,
Mere Manager. (75/78.)

Sir,—I think that the living-in system has a lot to do with sending chemists' assistants to the stores. In the latter, men can see that their quarters are comfortable. I will relate one of my own experiences in this direction. I qualified five weeks after attaining my twenty-first birthday, and rather fancied myself an important person. I took a berth indoors in a first-class business at the small salary of 60*l.*, my object being experience. The business was everything one could wish, but living "comforts" were as follows: Sitting-room provided for staff (my qualified self and junior) was underground, with one large window facing a wall 3 ft. away from it, the latter rising far above top of window; consequently the room was always nearly dark. Through this room everyone had to go to get at the store-room, which opened from it. Our bedrooms were in the attic. Evening and Sunday duty, one in two: evening, from time of closing shop for the rest of the night; Sunday, the whole day. with the exception of mealtimes. Though the governor lived on the premises, he took none of the duty. For meals we went to a very common coffee-tavern, the proprietors of which were paid seven or eight shillings a week for feeding each of us. Supper was provided on the premises—bread, cheese, and water (winter and summer); no tea or coffee, unless we provided it for ourselves, which, of course, we did, buying cups, saucers, butter, etc. We never met the governor's wife, unless accidentally on the stairs or in the passages. When we did in this way she very kindly said "Good morning" or "Good evening" as she passed. We were never invited to take a meal with them, even when we had to pass the whole Sunday alone on duty, and never once did the governor offer to take part of duty, though there was seldom anything to do the whole time. These people considered their assistants to be infinitely inferior to themselves. This was seven years ago. So far as my experience goes this is exceptionally bad; but if there are many like it, small wonder that young men without sufficient capital to start business on their own account join the stores. In my own case (to show that the old trade is not quite dead) I happened to have sufficient of the needful to allow me to open a pharmacy when twenty-three, and now, after four and a half year's trading, I have a nice little business and keep two assistants, and am making money in spite of the fact that we have one of "Felix's" friends in a cash-chemist store in opposition near by.—Yours faithfully,

Leeks. (75/62.)

Sir,—The interesting correspondence on this subject has brought forth opinions very divergent and prejudiced, but to me it has served to confirm the opinion that junior pharmacy is torn asunder by two factions—the pharmacist employed by stores, who wishes to explain his position, and a section of the individual pharmacists and their qualified assistants, who scarcely condescend to even mention the stores manager as a member of the craft. The study and practice of pharmacy need not of necessity evolve an individual whose ideas are bounded by a row of bottles, and many of its most progressive members, finding the hours of business in most pharmacies overdrawn and irksome and the salary unworthy of even a labourer, have transferred their services elsewhere, where better conditions are available. Who blames them? Certainly no one who appreciates the blighting effect long hours in a narrow atmosphere have on the human organism. Are the pharmacists of to-day more progressive than their predecessors? or has the lesson of the drug-stores endowed them with a wider appreciation of business ability and enterprise? The advantage is still slightly with the stores; the inclusion of chemists' assistants and managers in the Shops Act has made up some of the lost ground, but before Pharmacy can resume her march on healthy progressive lines these two factions must unite and work in harmony. There should be some organisation where all managers and assistants can meet and discuss this and other urgent problems, and we of the N.U.A.P. have found the opposition of these factions the great stumbling-block in our endeavour to organise junior pharmacy. The same tale is told at all the branches, and many of the best juniors in pharmacy have thrown up the sponge in disgust at the narrow-minded obstinacy of the pharmacist and his assistants. The solution of this difficulty is not in the hands of the Pharmaceutical Society, whose aims do not include the improvement of the economic condition of its members, neither does it rest with the individual pharmacist, who has to show all his mettle to combat the ever-increasing competition of the stores; it is the junior pharmacists of to-day who must solve the problem. If the N.U.A.P. is not the organisation required, scrap it, or reform it as you will; it is merely the expression of the ideas of its members, and the unaided attainment of the compulsory half-day weekly with a very small membership is sufficient grounds for its existence, and this indicates what can be done by a body of united members of this craft. I read in your esteemed journal that Chester pharmacists celebrated the introduction of the compulsory half-day by having an excursion in the country: one member humorously remarked that it was the first half-holiday he had for twenty years. What a record! Resolve now, junior pharmacists, that the record for the next decade shall be an improvement on the last, and this can only be done by a united effort.

Yours faithfully,
126 Strand, W.C. Victor Bottomley,
President N.U.A.P.

The Question of Repeats.

Sir,—The following prescription (which had been dispensed by several chemists) was made up by myself:

Liq. opii sed.	♏xl.
Syr. tolu.	ʒiss.
Aq. ad	℥iij.

Half at bed-time and remainder in two hours if in pain and restless.

After dispensing it about a dozen times (upon one occasion a double quantity was ordered) I suggested that the patient should take half-doses and a sedative mixture such as bromide and nux vomica. After this the prescription was taken elsewhere to be dispensed. Now I am wondering if I exceeded my duty and what is the usual course adopted; also what would be the best mixture to recommend—*i.e.*, providing you wish to help the patient, etc.—and any light on the matter will be esteemed by

Yours truly,
Lux. (52/16.)

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Liq. Plumbi.

What is "Liq. Plumbi"—"Fort." or "Dil."?—*Ph.C.* (67/34).

[Postcard replies, please.—Editor, *C. & D.*]

Scotchie Bits.

A written order for "Scotchie Bits 1*d.*" was presented at my counter on Saturday last by a small child. It seems rather an original synonym for quassia chips, does it not? They are in demand for cleaning school-children's heads; surely no intentional slur upon Scotland, "God bless the Duke of Argyle" notwithstanding.—*F. R.* (185/27).

Dunn of Highgate.

May I through the medium of your columns ask old-established firms connected with the trade if they can furnish me with the address of Mr. Dunn, chemist, of Highgate, *prior to 1829?* He was certainly here in business, and he certainly ordered goods from somebody. Will wholesalers who have records of the early years of the nineteenth century do me the favour of searching for my friend, and letting me know the results, if any, of their labours?—*A. E. Bailey* (Highgate, London, N.).

Re National Insurance Act.

Anyone engaged as a dispenser to a registered medical practitioner for three years immediately prior to December 16, 1911, is qualified to dispense under the provisions of the Act. What steps are being taken to ascertain the names of those who have been so engaged? Is any register to be kept, and, if so, when and to whom must application for registration be made?—*Meta* (75/27).

[There is no provision in the Act for such a register. Provisional Regulation 34 (see *C. & D.*, October 5, index folio 533) gives sufficient guarantee to Local Committees that chemists on the panel employ recognised dispensers, and those referred to by "Meta" should obtain from their employers a signed declaration as to their employment before December 16, 1911.—Editor, *C. & D.*]

Appreciations.

"I am pleased to inform you that I have obtained more than amount of subscription from one of my wholesalers through the advice given me in your Legal column."—*Bristol* (183/29).

A leading firm of pharmaceutical manufacturers in the United States (65/28), writing on September 20, say: "You correctly state in the opening of your letter of the 11th that we 'need no introduction to The Chemist and Druggist.' No other well-posted drug-man in this country needs an introduction to The Chemist and Druggist. Everybody in America, and, in fact, in the world, knows that The Chemist and Druggist is one of the best pharmaceutical papers published in the English language."

Messrs. Arthur H. Cox & Co., Ltd., Brighton, England, write: "It may interest you to know that we have referred to the article in your *Diary* on the manufacture and sale of stamped medicines on an average twice daily during the past twelve months, and you will be pleased to hear that not once during that time has any question arisen that the article has not answered, and we take this opportunity of expressing our appreciation upon the splendid way in which you have summarised the most complicated regulations surrounding the sale of stamped medicines."

Legal Queries.

Consult "The Chemists' and Druggists' Diary," 1912, pp. 435 to 454, where most legal difficulties are anticipated, before writing about your difficulty.

Acer (54/48) asks: "Can a limited company carrying on a branch business as a drug-store without a qualified manager sell at that branch quinine-wine and claim the exemption of "known, admitted, and approved remedies"? [No, because the company is not carrying on business at the branch in accordance with the terms of Section 3 of the Poisons and Pharmacy Act, 1908.]

L.P.S.I. (53/8) submits specimens of his labels in which the words used are "Oxalic Acid, Poisonous," "Salt of Lemon, Poisonous," "Spirit of Salt, Poison." The Sale of Poisons Act (Ireland) requires the word "Poison" to be used in the case of oxalic acid and salt of lemon, while the Poisons and Pharmacy Act, 1908, requires the wording to be "Oxalic Acid, Poisonous," and "Salt of Lemon, Poisonous." As the earlier requirement has not been repealed, both "Poison" and "Poisonous" should be used with these substances. In the case of spirit of salt the word required by law is "Poisonous." "Not to be Taken" has also to be used.

Edina (58/36) desires to put an entire drug in tablet form containing nothing but the excipient, and wants to know whether or not such a tablet will come under the entire drugs exemption. [It is the present practice of the Board of Customs and Excise to treat tablets of that nature as coming within the entire drugs exemption; that is to say, when the excipient is in infinitesimal proportion compared with the medicament, and is not in any sense a vehicle. For the same reason tablets that are coated with sugar or other coating material are not excluded from the exemption. If the excipient is in such proportion as to become a vehicle for the drug, the tablets cannot reasonably enjoy the exemption; but if the composition is declared by the maker as the first vendor, the tablets come under the "known, admitted, and approved remedies" exemption, "Edina" being a registered chemist.]

Dispenser (63/42), a registered chemist and druggist, has been asked to become a director of a limited company (trading as chemists and druggists) as the qualified manager, and he wants to know what are the duties, obligations, and responsibilities attached to such a directorship. [So far as the seat on the board of the company is concerned we can give no information; that must be obtained by "Dispenser" himself from the company. The duties of directors vary according to the nature of the company; but certain statutory obligations are imposed upon them by the Companies Acts in connection with the allotment of shares and, generally, the transaction of the financial business of the company. In respect to these matters "Dispenser" should be advised by his own solicitor. Under the Poisons and Pharmacy Act, 1908, the director of a limited company trading as chemists, who has a seat on the board as superintendent and manager of the business, is exactly in the position, so far as the Pharmacy Act, 1868, is concerned, of a qualified personal owner of a business, and is responsible for the statutory conditions regarding the sale and dispensing of poisons being observed in the business. He may not act at the same time in a similar capacity for any other company, and the Act does not forbid a part-time dispenser occupying a directorship.]

Miscellaneous Inquiries.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published prices, usually 6d.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

Terebene (57/23).—Artificial Wine-flavours.—There is no book published dealing specially with this matter, but most of the information will be found in "Pharmaceutical Formulas."

T. M. & Co. (53/57).—(1) Cherry Brandy.—Mash ripe Morella cherries, press out the juice, and to each gallon add—

Brandy		¾ gal.
Lemon-peel		4 oz.
Cinnamon,		
Pimento,		
Coriander	of each	1 dr.
Essential oil of almonds		5 minims
Essence of vanilla		10 minims
Rectified spirit		2 pints

Keep for six months before straining, and then for another six months before use.

(2) Sloe Gin:

Sloes	3 quarts
Bitter almonds	½ oz.
Sugar	3 lb.
Gin	1 gal.

Macerate for three months, shaking twice a week; strain and bottle.

Damson gin is made by employing damsons in place of the sloes.

Silent (Bombay) (48/65).—(1) Musk-ambrene is chemically butyl-*m*-cresol methyl ester; musk-xylol is trinitro-butyl-

C

xylol. (2) Piperonal or Heliotropin does not appear to have medicinal qualities, but would probably be harmless employed as a perfume for a menthol ointment. (3) Clinical Thermometers are inscribed with makers' names by means of a diamond, the marks being afterwards filled in with a solution of sealing-wax in spirit.

J. H. (44/31).—Motor-cycle Lubricating Oil.—The following mixed oils represent the class of lubricant employed for motor-cycles. The oils are blended by heating in a steam-jacketed pan at 110° F.

1.		2.	
Castor oil ...	... 2 parts	Castor oil ...	... 1 part
Lardine oil ...	... 2 parts	Cotton oil ...	... 2 parts
Mineral oil 908	... 3 parts	Lardine oil ...	... 1 part

Curer (55/66).—Softening Animals' Skins.—Strong solution of ammonium chloride is the best thing we know of for softening animal and bird skins which have become hardened.

J. S. S. (55/62).—Preserving the Colour of Dried Flowers.—The best method is to employ salicylic acid during the drying process, either in powdered form or in alcoholic solution. In the case of the solution the flowers are dipped in the solution and returned to the blotting-paper press. When powder is employed it is necessary to remove excess by means of a brush. Various varnishes have been recommended for the same purpose, but these do not appear to be very successful.

Nemo (49/56).—Fire-resisting Paints.—There are two classes of paints which are made for the purpose of resisting great heat. The first is a modification of ordinary paint in which silicate of soda is combined with linseed oil as the medium. The other variety embodies the employment of asbestos, as shown here:

Prepared asbestos	48 lb.
Zinc white	48 lb.
Zinc sulphide	12 lb.
Linseed oil	1 gal.
Turpentine	1 pint

The colouring-agents that are used are *blue*, ultramarine; *yellow*, Oxford ochre; *red*, Venetian red; *purple*, purple oxide; *stone*, raw umber; *green*, Brunswick green; *black*, black oxide of manganese and carbon-black. As a cheaper fireproof base ground blast-furnace slag has been suggested in place of asbestos.

B. (49/14).—Hair-dye.—There is not sufficient material to make a quantitative analysis of solution "A," but the following gives a similar preparation:

Acid. pyrogallic.	ʒj.
Liq. potassæ	ʒss.
Spt. vin. rect.	ʒij.
Aq. ad	℥j.

Dissolve the acid in the spirit and add the other ingredients.

Solution "B" is a 20-vol. (6-per-cent.) solution of hydrogen peroxide; that is, double the strength of the B.P. liquor.

H. M. T. (55/43).—Old Script.—This is not a charm as you surmise, but a note of money owing by the writer. The photograph is not complete on the right-hand side. The reading is as follows:

A not(e) of all the monni I ow(e)	
first to Mistres grinnall	xs (10 shillings)
to Mistres Robers (Roberts ?)	vs (5 sh.)
to good gipson (Gibson)	iiij (sbillings ?)
godd (good) man Baxter	is
to godd Berrat (Barratt ?)	x (shillings ?)
— goodd paldin	
It(em) to goodde dayson (?)	x (shillings ?)
It(em) goodde flod	1s 1 (?)
And to my mad (maid)	xx (shillings ?)
Due to hir at hallamas (Hallowmas) next this being the xvj Dayly (?)	

The last word is queried because it seems to make imperfect sense without *d* after xvj, but the word must be *dayly*. The genealogical frontispiece from the Bible (1621) in which the above was written is not unusual in Bibles of that date.

Church (65/24).—We do not print and publish a manager's agreement form, but you will find the wording of one in *The Chemists' and Druggists' Diary*, 1910, p. 460, and you can have it written or typed, whichever pleases you.

East End (63/23).—There are very few things required from chemists under Section 16 (Sanatorium Benefit), except malt-extract, malt and oil, cod-liver oil, cod-liver oil with creosote, and so on. The prices now being commonly charged are: 9*d.* a lb. for malt-extract and malt and oil; 1*s.* a pint for cod-liver oil; 9*d.* an 8-oz. bottle for cod-liver oil with creosote (or other medication). It would be unwise for you to take on the Section 16 insured persons at 6*d.* a head, as they are *all patients*; whereas under Section 15 it is insured persons whom you would have to reckon by under a *per capita* system, and only some of them are likely to be patients.

P. B. D. & S. (Agra) (182/30).—Scorpion-bites Treatment.—A variety of remedies have been recommended for scorpion-poisoning, but probably the most convenient counter-remedy is Sir Lauder Brunton's snake-bite outfit, consisting of potassium-permanganate crystals and a small lancet. It should be remembered, however, that scorpion-bites, unlike snake-bites, are not necessarily fatal, death only occurring in cases where the persons bitten are delicate or sickly subjects. Other remedies less severe than the method referred to above consist in suction of the wound and the application of salt water, vinegar, ammonia, alum, ipecacuanha, spirit of camphor, eau de Cologne, tobacco-water, turpentine, tincture of iodine, lead lotion, or spirits.

Silent (Bombay) (63/70).—(1) Labels on Tins.—As you have never experienced any difficulty in sticking labels on tin, it seems to be "meeting trouble half-way" to inquire as to the advantages of the special pastes sold for that purpose. We note that you have found arrowroot-paste perfectly satisfactory for sticking labels on all kinds of tins. (2) Viscose bottle-caps are prepared by a patented process. (3) See *C. & D.*, August 31, 1912, index folio 366, for formulæ for hair-washes in which the quantity of alcohol can be varied if desired. (4) Purified Liquid Paraffin or heavy white mineral oil has a lubricating effect when taken internally. It is not absorbed into the system.

W. B. (69/72).—Indian Cerate.—The following recipe, one of several, is from "Pharmaceutical Formulas." It is claimed to be the original recipe:

First Stage.—Rub up in a large warmed mortar ʒij. of Peruvian balsam with ʒij. of olive oil.

Second Stage.—Melt 1 lb. of white wax in 78 oz. of olive oil, by the aid of heat, and mix with the Peruvian balsam and oil.

Third Stage.—Make 15 oz. of levigated carbonate of lead into a thin paste with distilled water, and mix well with the above ointment while hot, stirring constantly till nearly cold.

Alpha (58/14).—Cleaning Scarlet Cloth.—See *C. & D.*, September 14, index folio 457, and January 13, index folio 70.

Volo (60/13).—Hiccup in Children.—This is usually an unimportant condition in children, and is generally easily controlled by domestic remedies such as the following: (1) Counting 100 without drawing breath; (2) holding the breath for a minute; (3) warm applications or counter-irritants to the diaphragm; (4) a few drops of spirit of sal volatile in water, or a few drops of spirit of camphor or eucalyptus oil on sugar. Persistent cases in adults require more severe remedies.

Archimedes (58/16).—Benzoated Lard.—Many variations on the official process have been suggested with a view to saving time and prolonged heating of the lard. The German Pharmacopœia method is to add 1 per cent. of benzoic acid to the melted lard, and Dott's improvement on this process is to employ 60 grains of benzoic acid and 40 grains of prepared storax to a pound of lard. The odour of the finished product is very balsamic. The French process consists in adding 5 grams of benzoin tincture (1 in 5) to each kilo. of lard. The objection here is to the waste of spirit.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Oct. 15, 1862.

Illustrious Apothecaries.

Mons. Libri states that Dante was inscribed on the register of Florentine apothecaries. Sir Isaac Newton, when young, was placed with a chemist and druggist at Grantham. Sir Humphry Davy was apprenticed to an apothecary at Penzance, where he was found by Gregory Watts, just as Bergmann discovered Scheele in a modest shop at Upsala. A monument to Sir Humphry Davy is about to be erected on the north side of Mount's Bay, near Penzance, where he was born.

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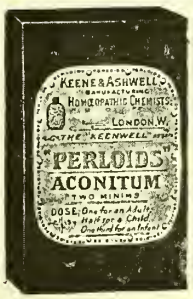

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It simply being necessary to cut from tube a thin wafer and apply to centre of part affected and cover over with a small piece of linen rag. If used immediately on appearance it will cure within 24 hours.
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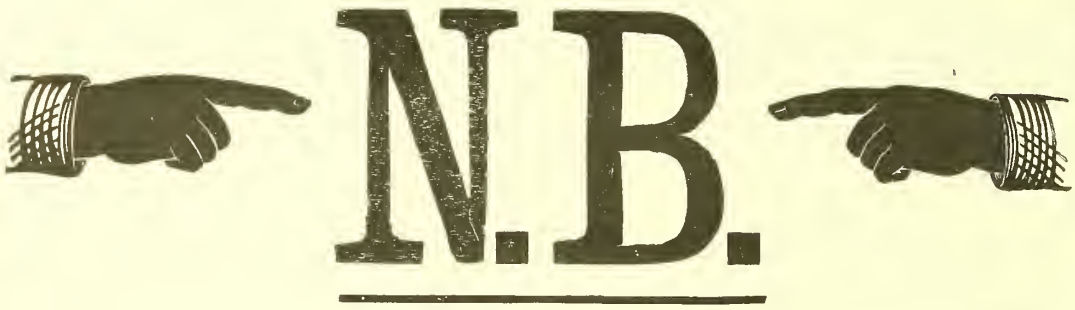

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Our List will be found one of the most complete in the trade and easy of reference. As we hold a complete stock of all articles quoted, it is apparent that carriage being paid with other goods when total order is £5 in value, dead and soiled stock is avoided.

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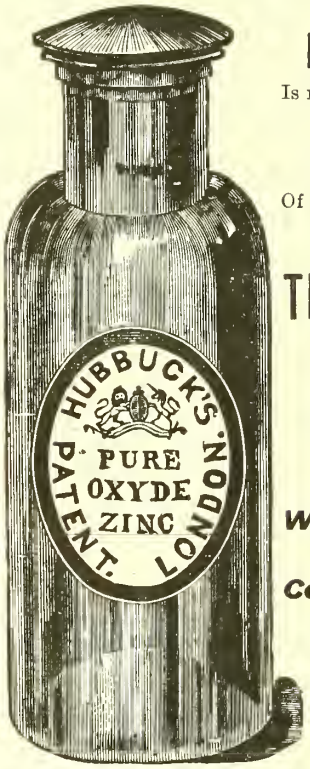

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Small	size,	3 oz.	bottle,	in case.
Medium	,,	7 ,,	,,	,,
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The makers of the well-known brands of Pure Block Juices "V.B." and "B.X.," who are the largest manufacturers of Liquorice in the World, beg to notify the Trade that they now manufacture a high-class **PURE STICK JUICE** which they have placed on the market under their registered brand ***"APOLLO."***

The same guarantee of absolute Purity, which for the past sixty years has been given with their Block Juices, equally applies to their new stick ***"APOLLO."***

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Owing to the extensive propaganda we are conducting amongst the medical profession:

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'DIGALEN.' The Standard . . . Digitalis Preparation. Suitable for oral administration or injection.

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Chloroform Pure B.P.

In Two-ounce Sealed Amber-coloured Glass Tubes

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EACH TUBE IN CARDBOARD CASE.

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WRIGLEY'S SPEARMINT WRIGLEY'S SPEARMINT WRIGLEY'S SPEARMINT

The Only Largely Advertised Chewing Gum in England is

RETAILS **2½d.** PER PACKET

RETAILS **2½d.** PER PACKET

Chemists all over England are stocking and selling **WRIGLEY'S SPEARMINT** in great quantities. **Are you?**

You will find **WRIGLEY'S SPEARMINT** Pepsin Gum a most profitable side line. In our advertising we are telling the public what **WRIGLEY'S SPEARMINT** really is; expounding its benefit to the teeth and digestion, its soothing action upon the nerves, &c. Also we are telling exactly what it is made of—which has never been done for Chewing Gum before.

Costs You 2/3d. per Box.

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Sells Quickly at 4/2d.

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Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this Paper on Terms as below.

*Acid. Acet. Glacial., 99%, Carboys, 160 lbs. @ 4½d. lb.; 12 6-lb. bots. @ 7d. lb.; 6 lbs. @ 8d. lb.
,, Acetylo-Salicyl., 56 lbs. @ 2/4 lb.; 7 lbs. @ 2/7 lb.; 1 lb. @ 2/9 lb.
,, Benz. B.P., 7 lbs. @ 1/8 lb.; 1 lb. @ 2/- lb.
,, Boric Pulv., 3 cwt. @ 29/- cwt.; 1 cwt. @ 29/6 cwt.; levigd. 3/- cwt. or ½d. lb. extra.
,, Carbol. Xtls., 39/40, 56 lbs. @ 8¾d. lb.; 10 lb. Tins. @ 8/4 each; 36 1-lb. Bots. @ 11½d. lb.; Single Bots. @ 1/1 lb.; Detached Cryst. 10 lb. Tins @ 10/- each; 1 lb. @ 1/4 lb.; Crude Black, 45 gall. casks @ 1/- gall.; 5 gall. drums @ 1/4 gall; 1 gall. tins @ 1/6 each.
,, Salicyl. pulv., 7 lbs. @ 1/2 lb.; phys. pure, 1 lb @ 3/1 lb.
,, Tart., cryst. or pulv., B.P., 1885, 1 cwt. @ 1/1 lb.; 7 lbs. @ 1/2 lb.: parv. ¼d. lb. extra.
Ammon. Brom., P.B., 1 cwt. @ 2/1 lb.; 7 lbs. @ 2/2¾d lb.
Ammon. Carb. lump. 3 cwt. @ 4¼d. lb.; 28 lbs. @ 5¼d. lb.; 7 lbs. @ 5¾d. lb.; powder, ¼d. lb. extra.

Bismuth, P.B., Carb., 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit. 1/- lb. less.

Cocaine Hydrochlor., B.P., 25 ozs. @ 6/- oz.; 4 ozs. @ 6/6 oz.; 1 oz. @ 7/6 oz.
Codeina, 1 oz. @ 16/6 oz.; Phosph., 1 oz. @ 13/5 oz.; Hydrochlor or Sulph., 1 oz. @ 14/10 oz.
Cream Tartar, 98% powder, 1 cwt. @ 90/- cwt.; 7 lbs. @ 11d. lb.

*Dec Aloes Co. Conc. 1–2, 6 lbs. @ 2/9 lb. Sinecroco, 6 lbs. @ 1/2 lb.
* ,, Cinchonæ (Rubræ) Conc. 1–7, 6 lbs. @ 1/10 lb.
*Dec Senegæ Conc., 6 lbs. @ 2/3 lb.

Ferri Ammon, Cit., P.B., 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/7½ lb.
*Ferri et Quininæ Cit. P.B., 500 ozs. @ 4¼d. oz.; 100 ozs. @ 4¾d. oz.; 25 ozs. @ 4¾d. oz.

Glycerin. Opt., DD., 1,260 P.B., 1 cwt. @ 94/- cwt.; 56 lbs. @ 95/- cwt.; 12 lbs. @ 1/1 lb.

Ichthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.;
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.
* ,, Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/- lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 9d. lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
Insect Powder, Opt. English grd., closed flowers, 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.; English Ground, ½ closed flowers, 4d. lb. less; Foreign Ground, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.

*Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb. [1/8 lb.
*Lin. Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @
Lin. Camph. B.P., 40 lbs. @ 10d. lb.; 9 lbs. @ 11d. lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 23/- cwt.; 1 cwt. @ 24/- cwt.
*Liq. Ammonii Acetatis Conc. 1–7, 6 lbs. @ 8d. lb.; 1 lb. @ 10½d. lb.
*Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.
* ,, Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.
* ,, Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb. [1 lb. @ 7d. lb.
* ,, Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.;
* ,, Bismuth, P.B., 6 lbs. @ 1/1 lb.
* ,, Copaiba Bucha et Cubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.
* ,, Easton., p.s. 1–3, B.P., 1 lb. @ 3/- lb.
* ,, Ferri Dialysatus, 6 lbs. @ 7d. lb.
* ,, Ferri Iod. p.s., 1–7, 1 lb. @ 6/9 lb.
* ,, Ferri Perchlor. Fort., P.B., 7 lbs., @ 4d. lb.
* ,, Ferri Phosph. Co. p.s., 1–7, 7 lbs. @ 1/6 lb.
* ,, Hamamelidis, B.P., 6 lbs. @ 1/1 lb. [lb.
* ,, Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4
* ,, Iodi Fort B.P., 5 lbs. @ 5/1 lb.
* ,, Morphinæ Acet. or Hydrochlor, P.B., 6 lbs. @ 3/- lb.
* ,, Opii Sed., 5 lbs. @ 4/2 lb.
* ,, Plumbi Subacet., P.B., 7 lbs. @ 2½d. lb.
* ,, Pruni Virg. p.s. 1–7, 5 lbs. @ 2/2 lb.
* ,, Rhœados pro syr., 1 to 7, 5 lbs. @ 1/11 lb.
* ,, Rhei p.s. 1–7, 6 lbs. @ 2/2 lb.
* ,, Santali Co., 1 lb. @ 3/- lb.
* ,, Sennæ Dulc. 6 lbs. @ 1/4 lb.
* ,, Sennæ pro Syr. 1–7, 6 lbs. @ 2/- lb.
* ,, Strychninæ, Hyd. P.B., 6 lbs. @ 1/6 lb.
* ,, Tolut pro Syr. 1–7, 6 lbs. @ 1/8 lb.
* ,, Trinitrini B.P., 1 lb. @ 6/1 lb.

Morphinæ Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 10/4 oz.; 16 oz. @ 10/7 oz.; 8 oz. @ 10/9 oz.; 1 oz. @ 11/6 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 14/- oz.

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Bismuth Cocaine
Morphia Oil Eucalyptus
Oil Peppermint
Cod Liver Oil Olive Oil
Oxymel Scillæ

Naphthalene, Candles or Balls, 1 cwt. @ 12/6 cwt.; 56 lbs. @ 14/6 cwt.; 28 lbs. @ 16/- cwt.

Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/11 lb.; 4½ lbs. @ 5/- lb.
Ol. Eucalypt., B.P., 1 cwt. @ 1/5¾ lb.; 28 lbs. @ 1/6½ lb.; 9 lbs. @ 1/7½ lb.
Ol. Geranii Gall. Opt., 1 lb. @ 27/- lb.; 8 1-oz. bots. @ 2/1 oz.; 1 oz. @ 2/3 oz.; Turc., 1 lb. @ 12/6 lb.; 4 ozs. @ 15/- lb.
Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/6 lb.; 1 lb. @ 3/10 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb.
Ol. Menth. Pip. English, 5 lbs. @ 32/- lb.; 1 lb. @ 33/6 lb.; Hotchkiss original bots., 21 oz. each @ 16/6 lb.; 6 bots. @ 16/1 lb.; 18 bots. @ 15/5 lb.; American, 20 lbs. @ 12/- lb.; 4½ lbs. @ 13/- lb. 1 lb. @ 13/6 lb. Japanese, 60 lbs. @ 6/3 lb.; 5 lbs @ 6/9 lb.
Ol. Morrhuæ, Nov. 1912, finest non-freezing, 25 gall. tin-lined barrels @ 72/- per barrel; 2-gall. tins @ 8/- each.
Ol. Olivæ P.B., good yellow, guaranteed pure, 45 gall. Barrels @ 4/8 gall.; 2-gall. tins @ 5/3 gall.
Oxymel Scillæ, B.P., 5 cwt. @ 31/- cwt; 1 cwt. @ 34/- cwt.; *7 lbs. @ 6d. lb.

Soda Salicyl. Pulv., 7 lbs. @ 1/6 lb.; phys. pur., 28 lbs. @ 2/3 lb.; 1 lb. @ 2/6 lb.
*Syr. Aurant, P.B., 7 lbs. @ 9½d. lb.
* ,, Easton, B.P., 7 lbs. @ 1/0½ lb.
* ,, Ferri Iodid. P.B., 7 lbs. @ 1/3½ lb.
* ,, Ferri Phosphat. Co., 7 lbs. @ 5½d lb.
* ,, Hypophosph. Co. B.P.C., 7 lbs. @ 9½d. lb.
* ,, Pruni Virg. B.P., 8 lbs. @ 7½d. lb.
* ,, Rhamni, 7 lbs. @ 10½d. lb.
* ,, Rhei P.B., 7 lbs. @ 8d. lb.
* ,, Scillæ P.B., 7 lbs. @ 5d. lb.
* ,, Sennæ P.B., 7 lbs. @ 8½d. lb.
* ,, Tolut. P.B., 7 lbs. @ 7½d. lb.

Tinct. Aurantii. Recens, B.P., 5 lbs. @ 3/6 lb.; bond, 8¼d.
*Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; bond, 6½d.
*Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/5 lb.; bond, 8½d.
*Tinct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.; bond. 6¾d.
*Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb.
*Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond, 6d. lb.
*Tinct. Card. Comp., P.B., 5 lbs. @ 2/6 lb. bond, 6½d. lb.
*Tinct. Catechu, P. B., 5 lbs. @ 2/8 lb.; bond, 7½d. lb.
*Tinct. Chlorof. c. Morph., B.P., 1885, 5 lbs. @ 2/- lb.; bond, 1/5½ lb
*Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb. bond, 1/0½ lb.
*Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d lb.
*Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6½d. lb.
*Tinct. Gelsem. B.P., 5 lbs. @ 2/10 lb.; bond, 6½d.
*Tinct. Gentianæ Comp., B.P., 5 lbs @ 1/11½ lb.; bond, 6½d. lb.
*Tinct. Hyoscyamil B.P., 5 lbs. @ 2/5 lb.; bond, 6½d. lb.
*Tinct. Iodi. B.P., 5 lbs. @ 4/2 lb.; bond, 1/6 lb.; decolor 5 lbs. @ 4/6 lb.; bond, 1/3½.
*Tinct. Lavandulæ Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7½d. lb.
*Tinct. Myrrhæ, B.P., 5 lbs. @ 3/9 lb.; bond, 9¾ lb.
*Tinct. Nucis Vom., B.P., 5 lbs. @ 2/10 lb.; bond, 6d. lb.
*Tinct. Opii. B.P., 5 lbs. @ 3/8 lb.; bond, 2/6 lb.
*Tinct. Opii Amon., B.P., 5 lbs. @ 3/9 lb.; bond 2/7 lb
*Tinct Opii Aquos., 5 lbs. @ 2/6 lb.
*Tinct. Quiniæ Amm., B.P., 5 lbs. @ 2/6 lb.; bond, 11d. lb.
*Tinct. Rhei Co., B.P., 5 lbs @ 2/2 lb.; bond, 8d. lb. [lb.
*Tinct. Scillæ, B.P., 5 lbs. @ 2/6 lb.; bond, 7½d.
*Tinct. Senegæ, P.B., 5 lbs. @ 3/1 lb.; bond, 1/3½ lb.
*Tinct. Strophanth., P.B., 5 lbs. @ 3/5 lb.; bond. 8½d. lb.
*Tinct. Valerianæ, 5 lbs. @ 2/8 lb.; bond, 6d. lb.
*Tinct. Valerianæ Ammon., P.B., 5 lbs. @ 3/1 lb.; bond, 8½d. lb.
*Tinct. Zingib, P.B., 5 lbs. @ 4/- lb.; bond, 6½d. lb.
*Tinct. Zingib. Fortior. 5 lbs. @ 4/3 lb.; bond, 10½d. lb.
Treacle (Black), Casks about 5½ gross @ 42/- per Cask; 24 lbs. @ 2d. lb.
Turpentine (Best American), 1 gal. tins @ 3/3 each; Venice, Genuine, 40 lbs. @ 1/4½ lb.; 9 lbs. @ 1/7 lb.

Ung. Acid, Boric, P.B., 28 lbs. @ 6d. lb.; Flav. 28 lbs. @ 4½d. lb.
,, Acid Carbol. B.P., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.
,, Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 2/10 lb.

*Minimum quantity at these prices: Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.

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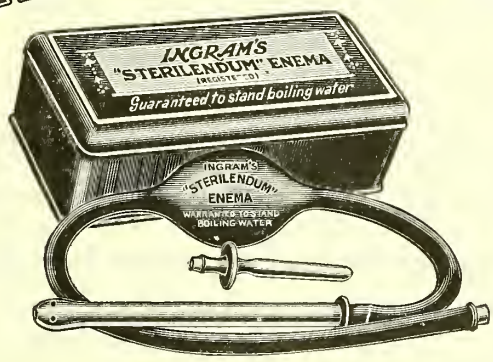

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OBTAINABLE FROM ALL WHOLESALE HOUSES at a PROTECTED PRICE, and is listed on the P.A.T.A. List.

INGRAM'S

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PATENT Nº 17617

BAND TEAT and VALVE GRIP TENACIOUSLY to the BOTTLE and CANNOT SLIP OFF.

The TEAT that gives PERFECT SATISFACTION to ALL BUYERS.

THESE SALEABLE LINES CAN BE OBTAINED FROM ALL WHOLESALE HOUSES at a PROTECTED PRICE, and are listed on the P.A.T.A. List.

THE ONLY ABSOLUTELY SECURE TEAT FOR ANY MAKE OF FEEDING BOTTLE. PERFECTLY HYGIENIC.

Patentees & Manufacturers—J. G. INGRAM & SON,

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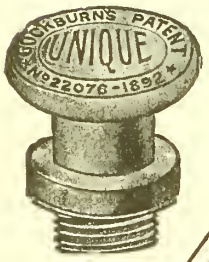
"UNIQUE"

HOT WATER BOTTLES

Cockburn's Patent



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NO OTHERS ARE GENUINE.

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For MOTOR CARS.
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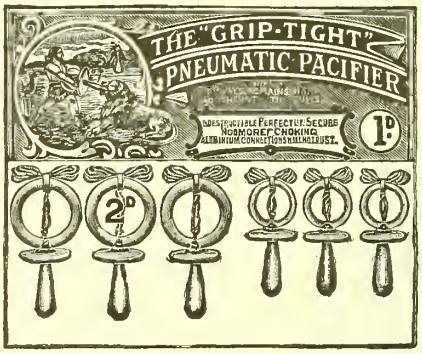

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Anchor Works,

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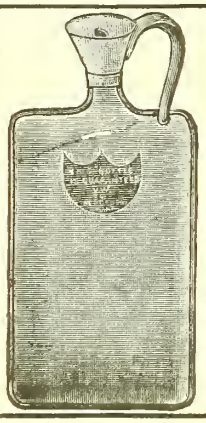
FROM ALL THE WHOLESALE HOUSES.



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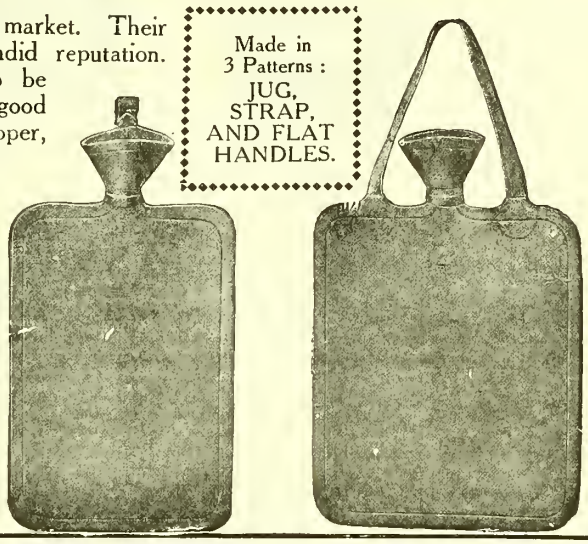

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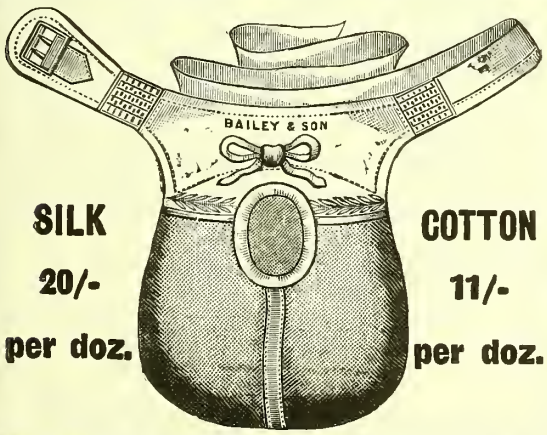

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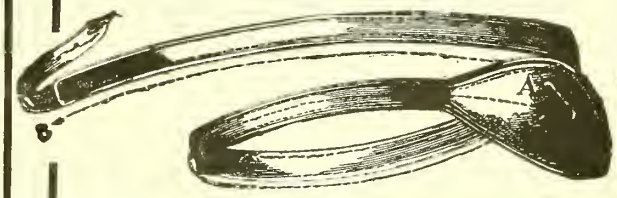
(REGD.)



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NO LICENCE IS REQUIRED FOR THE SALE OF THESE RINGS.

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Ordinary width.

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	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
No. 1501 ...	4 6	2 3	7 6	3 9	15 0	7 6
1502 ...	7 6	3 9	10 6	5 3	18 6	9 3
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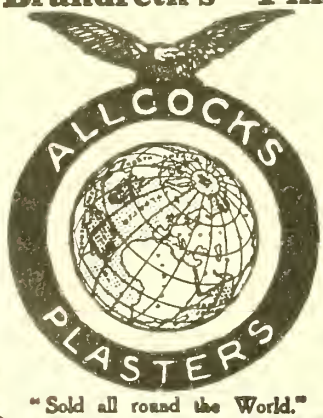

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On the P. A. T. A.
3½d., 1/10 per dozen,
6 dozen lots, 1/8,
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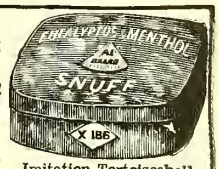

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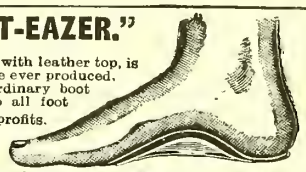

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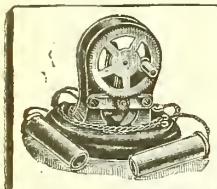

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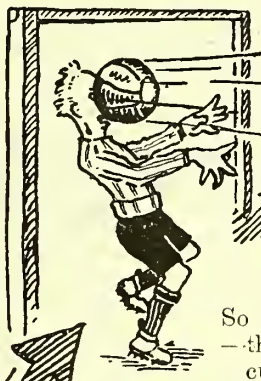

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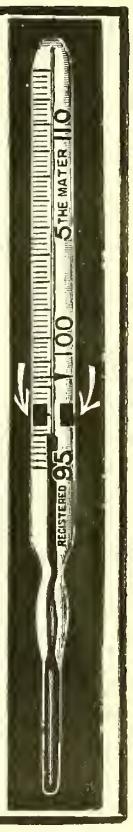

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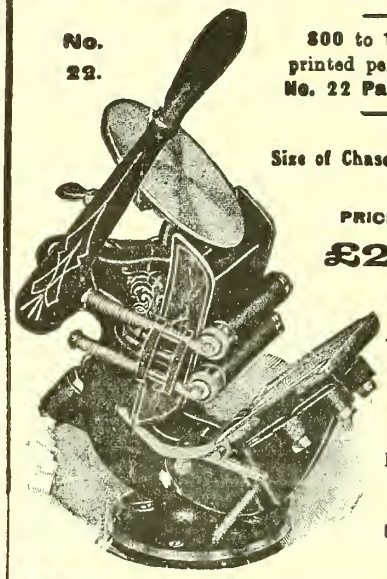

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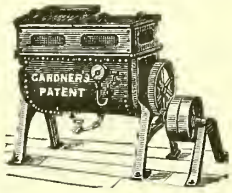

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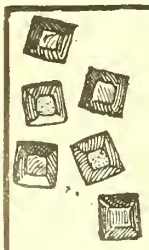

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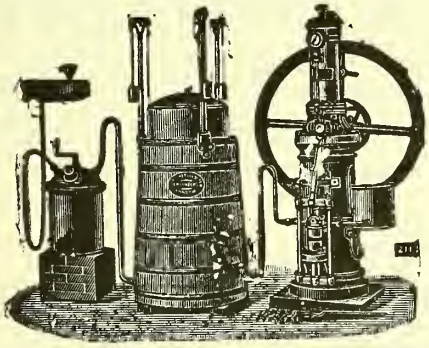

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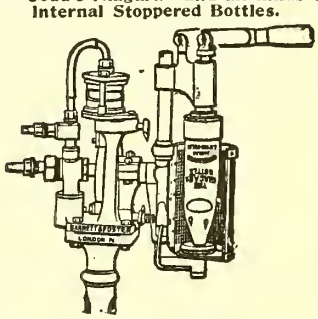


With Syrup Pump ... £9 9 0
Without Syrup Pump £7 7 0

By our new process of Back Pressure Filling we can guarantee the

HIGHEST QUALITY SODA WATER at 60 lb. Pressure

Thus saving HALF YOUR GAS.

THE "GALWAY."

FILLING MACHINE FOR SYPHONS.

THE SIMPLEST OF ANY SYPHON FILLER YET INTRODUCED.

With Syrup Pump, £10 10 0
Without Syrup Pump, £5 5 0

Low Pressure Attachment whereby half the Carbonic Acid Gas is saved, with better product resulting. For use with any Filling Machine.

THE "COMPACT."

For Use with Compressed Carbonic Acid Gas.

In use by the leading Chemists, Hotels, Hospitals, and Public Institutions throughout the United Kingdom.

The Most Successful Machine of the Times.
The Perfection of Simplicity.
Automatic Carbonation.

PRICES.

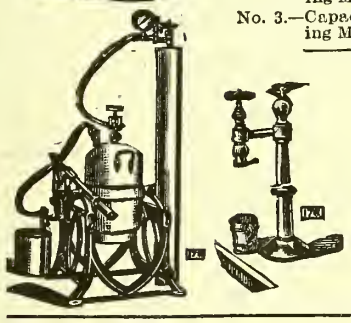
No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles *and* Syphons	£60 0 0
No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles *and* Syphons ...	£48 0 0
No. 3.—Capacity 300 dozen per day, including Filling Machines for Bottles *or* Syphons ...	£33 0 0

BALL-STOPPERED BOTTLES, SYPHONS,

Cork & Crown-Cork Bottles

AT LOWEST RATES.

Prices upon Application.



THE "CYLINDER" SODA WATER PLANT.

This is a Cheap Apparatus, designed for use with Compressed Carbonic Acid Gas, for serving Soda Water on the counter by means of a silver-plated counter stand.

PRICES FROM £15.

Specially suitable for Hotels, Chemists Confectioners, Pastrycooks, &c.

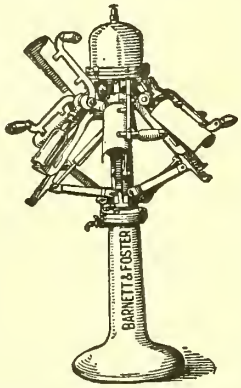
BARNETT & FOSTER

"Niagara Works,"
26T Eagle Wharf Rd.,
LONDON, N.

THE "ROUNDABOUT" BACK PRESSURE FILLER.

For the Bottling of Aerated Beverages and Beers in specially economical and expeditious manner. Superior quality at lower pressure, saving gas and breakage in bottles with greater output from machine. Made in six sizes — three for Hand, three for Power. For all classes of Bottles. Provides THE Modern method of filling.

Send for Booklet, "All about the Roundabout."



VALDA PASTILLES.

UP-TO-DATE LABORATORIES AND WORKS,
13 Hythe Road, Willesden Junction, London, N.W.

VALDA PASTILLES have resumed and are still daily increasing advertising during the Winter season. Our name occupies a prominent position in all the leading newspapers and journals throughout the Kingdom.

An interesting booklet dealing with our product and its claim will be also freely distributed throughout the Kingdom.

In view of the demand which such advertising is bound to create, it would be well to command a stock of our VALDA PASTILLES and run no risk of disappointing your customers.

The Public must be satisfied and your best clients know when they have a reliable product and will take no substitute.

Appended is a list of the principal Wholesale Druggists and Sundriesmen who supply VALDA PASTILLES.

LONDON
Burgoyne, Burbidges, & Co.
Sangers
Butler & Crispe
May, Roberts & Co., Ltd.
W. Edwards & Son
Barclay & Sons, Ltd.
Newbery & Sons, Ltd.
Wilcox, Jozeau & Co.
Hovendens & Sons, etc.

LIVERPOOL.
Evans, Sons, Lescher & Webb, Ltd.
J. Thompson, Ltd.
Ayrton, Saunders & Co., Ltd., Etc.

MANCHESTER.
J. Woolley, Sons & Co., Ltd.
Oldfield, Pattinson & Co., Etc.

BIRMINGHAM.
Southall, Bros. & Barclay, Ltd.

LEEDS.
Hirst, Brooke & Hirst, Ltd.
Goodall, Backhouse & Co.

MIDDLESBROUGH.
W. Coltman

HULL.
Lofthouse & Saltmer, Ltd.

YORK.
Raimes & Co.
Bleasdale, Ltd.

THIRSK.
W. Foggitt & Sons

NEWCASTLE.
J. Ismay & Sons
Wilkinson & Simpson, Ltd.

BRISTOL.
Ferris & Co., Ltd.

EXETER.
Evans, Gadd & Co., Ltd.

GLASGOW.
Cockburn & Co., Ltd.
Glasgow Apothecaries' Co.
Glasgow New Apothecaries' Co.
W. & R. Hatrick & Co.
T. & H. Smith, Ltd.
F. Spite & Co., Ltd.
James Taylor

EDINBURGH.
Duncan, Flockhart & Co.
Raimes, Clark & Co., Ltd.

DUNDEE.
Davidson & Gray.

ABERDEEN.
W. Davidson, Ltd.
W. Paterson & Sons

DUBLIN.
May, Roberts & Co., Ltd.

BELFAST.
McMullan & Co.

SPECIAL TERMS FOR CASH WITH ORDER.

1 dozen Boxes	-	-	£0	11	6
6 dozen Boxes	-	-	3	7	6
1 gross Boxes	-	-	6	12	0

Carriage paid to any part of the United Kingdom.

SHOWCARDS sent on application.

Several bags of Senegal Gum Siftings of 2 cwt. each to be sold at the price of 2½d. a pound, net cash, carriage paid. Sample on application.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, OCTOBER 12, 1912

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers) and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.** Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. **Telephone: No. 852 Bank (two lines). Telegraphic Address: "Chemicus Cannon London."** (Three words counted as two.)

It pays to pay for advertising in this Supplement.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, W.—Very old-established Business; position unique; returns average between £950 and £1,000 per annum; *profits above the average of Retail trade*; full investigation invited; vendor retiring; price about £800.

2.—CITY (within easy distance of).—Old-established Business, Retail and Dispensing; returns last year £707; *gross profit* £325; good prices being obtained; roomy house, bathroom, private entrance, garden; rent moderate; price about £225.

3.—ESSEX (Suburban).—Established Business, Retail and Prescribing; returns average £10 per week; *profit above the average of Retail trade*; house has 10 rooms, side entrance; price £225.

4.—LONDON, S.E.—Good middle-class Retail trade; excellent position; returns between £950 and £1,000 per annum; *gross profit* £375, *and the net* £258; handsomely fitted shop, double fronted; 21 years' lease; vendor's own property; terms, valuation of stock and fixtures, or lump sum of £650.

5.—LONDON, W. — Ready-money Business; established many years; returns exceed £425 per annum; *net profit* £150; double-fronted shop, fitted in mahogany, electric light; no immediate opposition; price £165.

6.—KENT (Suburban). — Middle-class Business, chiefly ready money; returns between £950 and £1,000 per annum; *net profit* £300; attractive shop, well fitted and stocked; price £775.

7.—SURREY (Charming Locality).—Dispensing and Retail Business, with Post Office attached; returns average about £630 per annum; *net profit* £200; double-fronted shop; good house, small garden; nearest opposition 2 miles; price £500.

8.—SOUTH COAST.—Dispensing and Retail Business; present returns between £1,400 and £1,500 per annum; well-appointed shop; price £900.

9.—SUSSEX (Coast Town). — Good-class Retail and Dispensing Business; excellent opening for Photographic Sundries; returns average £1,325 per annum, increasing; *net profit* £430; rent £65, held on lease; comfortable residence, side entrance; satisfactory reason for disposal; offer wanted.

10.—SUSSEX.—Unopposed Business; returns £900 per annum; *average net profit* £320 (proof given); roomy house, small garden; rent moderate; terms, valuation of stock and fixtures.

11.—HOME COUNTY.—Light Retail and Dispensing Business; position is exceptionally good; returns last year £900; can be greatly increased; double-fronted shop, modern fittings; convenient house, small garden; price £600.

12.—DEVON.—Good-class Dispensing Business; established by vendor 45 years since, now retiring; returns about £950 per annum, at good prices; vendor's own property; lease will be granted; price about £800.

13.—CHESHIRE.—Unopposed Business. Light Retail; no heavy trade; returns average between £500 and £600 per annum; *net profit, after all expenses paid,* £198; comfortable residence; rent £28; price £275.

14.—WEST OF ENGLAND (large town).—Light Retail, Dispensing and Prescribing Business; returns for the last 3 years average £1,200, and the *profit* £350; large residence, including bathroom; excellent position; price £900.

Particulars of any of the above will be furnished on application.

N.B. NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester." Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

1.—TORQUAY (near).—Splendid high-class Light Retail for Disposal in rising Seaside Resort; returns £875, and increasing; net profit about £350; position absolutely unique; vendor retiring after nearly a quarter of a century; price £650; capable man with about £400 cash may apply; personally known to us.

2.—WILTS.—Returns £1,000; General Country Retail; good house and splendid gardens and orchard; valuation £500.

3.—SUSSEX.—Good-class Dispensing; returns exceed £1,300; net profit £430; moderate rent; price £1,000.

4.—SHEFFIELD.—Returns £680; net profit £240; price £400.

5.—LONDON, S.E.—Returns £950; net profit £260; price £650.

6.—GLAM.—Returns £950; net profit £250; valuation £600; in present vendor's hands for 40 years; low rental; please note we are sole agents.

7.—LEEDS (near).—Returns £1,050; net profit £300; valuation £500.

8.—HULL.—Returns £750; net profit £250; price £450.

9.—DERBY (near).—Nice Light Retail, capitally situated in good market town; personally inspected by us; returns £500; rent £28; valuation £250.

10.—PETERBOROUGH.—A nice little Retail for Sale; price £300.

11.—PLYMOUTH.—Returns £1,200; net profit £350; price £980.

12.—LIVERPOOL.—Returns £700; net profit £250; price £400.

VALUATIONS

conducted anywhere in the British Isles upon moderate terms at short notice. Write, wire, or 'phone.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.
MESSRS. MEGGESON & CO.
MESSRS. BARCLAY & SON, LTD.

Telephone: No. 27 Victoria.

Gives personal attention to all Commissions for Sale, Purchase, or Valuation on moderate terms; quotations free.

P. C. B. has had longer and more varied experience than any other trade valuer; actively engaged over 40 years, Wholesale and Retail, town and country, Dispensing and Agricultural; credit and cash and qualified to advise on any difficulty.

Vendors invited to send particulars, in confidence.

Purchasers stating requirements can have selection from Register of Businesses of all classes, sizes, or places from £50 to £2,000. A few recommended as good value.

	Returns	Rent	Price
Wales, under manager	£1,600	£60	£800
Good Dispensing, County Town ...	1,500	100	Valuation
Twenty miles out	1,500	90	Valuation
Good Retail, County Town	1,400	80	Valuation
South Coast	800	50	Valuation
Thames Valley. Immediate sale ...	800	55	First offer
Unopposed, Co. Durham	700	23	£250

TOMTOM

Telegraphic Address:

THOS. TOMLINSON & SON.

Chemists' Valuers and Expert Stocktakers.
Businesses transferred privately.
45A MARKET STREET, MANCHESTER.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to purchasers.)

1.—SOUTH COAST. — Several good Businesses on offer; returns £2,100; price £1,150; returns £1,470; price £900; returns £1,250, price £850; returns £1,100, valuation, about £700; returns £1,000, price £775.

2.—HOME COUNTY (Market Town).—Good-class Retail and Dispensing; returns nearly £900, increasing; excellent profits; Assistant kept; good position; fully stocked; price £700, or £50 and valuation.

3.—KENT COAST.—Good-class Retail and Dispensing Business, in same hands many years; now retiring; handsome Pharmacy, in splendid position; plenty of scope on modern lines; price £750.

4.—EASTERN COUNTY.—Sound unopposed Village Business; no Oils or Paints; returns £750; net profit £300; low rent; nice house and large garden; price £525.

5.—SURREY (20 miles out).—Light Retail and Dispensing Business, pleasantly situated; unopposed; returns £670; net profit £238; modern house, every convenience; price £500; strongly recommended.

6.—WEST OF ENGLAND.—Old-established Retail Business, in small town; returns over £500, and increasing; low rent; good house; large shop, fully stocked; price £400.

7. KENT (Distant Suburb).—Light Retail and Prescribing Business, increasing; returns about £750; no side-lines; net profit 37½ per cent.; large shop; good house and garden; price £550.

8.—HAMPSHIRE. — Owner, going abroad, will sacrifice snug little Business in good market town; returns £8 weekly; can be much increased; low rent; price £135 or offer; £50 can remain.

9.—LONDON SUBURB.—Light Retail and Dispensing with Prescribing; no cutting, and yielding over £500 net profit last year; books properly kept; good position; well fitted and stocked; price £1,150; personally recommended.

10.—LONDON (Essex Suburb). — £225 secures a sound Light Retail, at present doing £11 weekly under manager; plenty of scope; good position; low rent; only requires seeing.

11.—DEVON. — Light Retail and Dispensing Business, in good Market town; returns £700, increasing; net profit £190 to £200; excellent house and shop; very heavy stock; handsome front; price £600; stock and fixtures worth £550.

12.—HAMPSHIRE.—Very profitable Cash Retail, Prescribing and Dispensing, at full prices; returns £800; net profit £300; first-rate position; well fitted and fully stocked; price £675.

13.—KENT. — Sound Light Retail Business, in best position; returns £1,400; net profits £314; books kept by accountant; good premises; own property; price valuation, about £750.

14.—GLAMORGANSHIRE.—Unopposed Light Retail, in rapidly growing district; returns £828; plenty of scope; net profit about £250; own property; selling through failing health; price £350; stock and fixtures worth £450.

15.—NORTH-EAST COAST.—Neglected Cash Retail and Prescribing Business; returns £820; was doing £1,150, and can again; fine shop in splendid position; price, valuation, about £500.

16.—CHESHIRE.—Good-class Retail and Dispensing Business, in most pleasant locality; returns £650 to £700; net profit fully £200; scope for increase; attractive Pharmacy; price £500, or valuation.

17.—LINCS. — Unopposed General, Country Retail; under manager; returns £450; scope for much increase; low rent; shop recently refitted and restocked; price £275, or valuation.

18.—NOTTINGHAM.—Profitable Light Retail and Prescribing, in good position; returns about £400; no Poisons; net profit half; modern premises; very low rent; price £100 for quick sale.

19.—LONDON, S.E.—Good-class Cash Retail Business in fine main-road position; returns £30 a week; net profit £400; handsome Pharmacy, fully stocked; price, simply valuation, about £1,000; trial allowed.

20.—LONDON, N.—Cash Retail Prescribing and Dispensing Business, in same hands many years; returns £776; gross profits 40 per cent.; well-fitted shop and good house; price about £450.

VALUATIONS FOR STOCKTAKING. Have you read our pamphlet on the necessity and advantages of Stocktaking? It should be read by every Chemist in business. Sent free on application, together with our new and revised terms. 42 years' practical experience.

BUSINESSES for DISPOSAL

3s. 6d. for 50 words or less: 6d. for every 10 words or less beyond, prepaid.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

LETTERS in reply to Advertisements may be addressed to this Office, and will be forwarded to the Advertiser for an additional charge of 6d.

Trade circulars, samples, and printed matter can in no case be forwarded.

BERKSHIRE.—Rising Suburb, no opposition.—For Sale, good-class Family Business, doing about £10 weekly; could be much increased and Dentistry added; price about £450 for lease, stock, fixtures, etc. Apply, John Hodge, Solicitor, Weston-super-Mare.

BIRMINGHAM.—Suburban Business in a densely populated part; near tram terminus; healthy district; good shop, with commanding single front; stock all in good condition; business small and capable of much extension by energetic man; capital house, with every convenience; valuation about £150; cash price £100; rent only £35. "Cough" (199/24), Office of this Paper.

EASTERN COUNTIES.—Splendid chance for a young pushing man; neglected Business, now doing £500; has done over £1,000; fittings alone worth price asked; handsome, double fronted, mahogany fitted; good residential neighbourhood; plenty of scope; price about £350; part could remain if desired; must be sold; good reasons. "Vendor" (198/18), Office of this Paper.

LANCASHIRE Manufacturing Town.—Genuine Mixed Business, Wine Licence; average returns about £400; this has been done by an unqualified person, in fact not even passed Prelim., and without one pennyworth of Poison being sold; rent £26; investigation freely invited. Apply, "Camphor" (200/33), Office of this Paper.

LINCOLN, in Main Street.—A capital Drug Business for Sale; a splendid opportunity for a pushing young man; will accept a fixed sum or valuation. Apply to D. Jones, 397 High Street, Lincoln.

LONDON, W. (near Whiteley's new premises).—Splendid main-road position; old-established Business; well stocked; price only £550; bargain. Full particulars write Box 861, c/o Messrs. Gibbs, Smith, 10 High Holborn, W.C.

LONDON, S.E.—Sound Family Retail and Prescribing Business; same hands 17 years; good main-road position; net profit nearly £200 a year; excellent opening for Photographic and Dentistry; large shop, good windows, well stocked; price £200; fullest investigation courted. Address, "Prescriber" (203/70), Office of this Paper.

MANCHESTER (Suburban). — Smart, well-lighted, modern and well-fitted Chemist's Business (Light Retail, Dispensing, and Prescribing) to be Sold; pleasantly and well situated in an exceptional position on the main road, growing district; turnover over £500; could be doubled; price wanted much less than value of stock and fixtures; a live bargain to first genuine offer; this is an exceptional opportunity for man with cash to acquire a sound business with very small outlay. 199/19, Office of this Paper.

MIDLANDS.—Old-established General and Country Business for Sale; opening for Dentist and Optics; good Prescribing; good centre for farmers; returns average over £500; well stocked; good house; good reason for disposal; suit young man willing to push; rent £35, with lease. Apply, 199/27, Office of this Paper.

MIDLANDS. — First-class Retail and Dispensing Business for Disposal in capital position of high-class town; turnover exceeds £2,000, and increasing; good profits; very suitable for two energetic men; applicants must be able to invest £1,700; references required. Address, "Iridin" (203/700), Office of this Paper.

NORTH DEVON.—Unusual opportunity of acquiring Chemist's Business with no opposition; 3,000 population; good scope for increase with Optics and Dental work; large shop, well fitted and well stocked; rent £30 per annum; turnover £560 to £600 per annum; no reasonable offer refused. Apply, 200/25, Office of this Paper.

SCARBOROUGH.—For immediate Disposal, old-established Chemist's and Mixed Business, doing £900 turnover; good house and shop at low rental; illness of proprietor sole reason for disposal. Full particulars as to profits, price, etc., on application to Hill, Chemist, Victoria Road, Scarborough.

SOUTH COAST.—Good-class Dispensing and Light Retail Business, enjoying a steady all-the-year-round trade; over 4,500 private scrips dispensed yearly; turnover between £850 and £900; low rent; premises stand well, with no fear of further opposition; will accept £450 for early sale. Apply, "Scrip" (203/7), Office of this Paper.

SOUTH DEVON.—In rapidly growing seaside town, high-class Business, in best position in principal street; established 20 years; returns about £900, increasing, and very profitable; 21 years' lease given; easy terms; age reason for relinquishing. "Pharmacist" (200/6), Office of this Paper.

SOUTH WALES.—For immediate Disposal, a Chemist's Business in a populous Colliery district, Glamorganshire; returns about £900; Patents under £200; scope for increase; no opposition; valuable Proprietaries; price £350, or £200 down, £150 may remain. 200/7, Office of this Paper.

SURREY (about 12 miles out).—Small Cash Business, in large district; present returns £450; plenty of scope for increase; profits above average; few Patents; good house, with side entrance; price £250 (value of stock and fixtures), or near offer. "M.P.S.," 57 Park Road, Kingston Hill, S.W.

A PROFITABLE Business (Drug and Fancy Trade) for Sale near to King's Cross; double-fronted shop; small house, private entrance; expenses low; returning about £500 per annum; suitable for anybody wanting a business; would also pay to run as branch; better value never offered at £185. "Pyramidon" (199/40), Office of this Paper.

BRANCH Drug Stores for Disposal; recently cost £250; now worth more; greatly improved stock and renovations; sacrifice £250; good position; attractive shop, well fitted; good house, 7 rooms, etc.; main road; good opening Dentistry, Extractions, Dispensing, etc.; London Suburb; other business cause for disposal. "Drugs" (201/8), Office of this Paper.

CHEMIST'S and Druggist's Business for Sale as a going concern in populous district of Manchester, through illness of the proprietor; Dispensing and Prescribing; corner shop on busy main road, with good living accommodation; rent £50; returns £1,000. For further particulars and to view apply Mellors, Basden & Mellors, Chartered Accountants, 18 Exchange Street, Manchester, and King John's Chambers, Nottingham.

CHEMIST'S Business for Sale, near Liverpool; old established. For particulars apply to Bradley & Co., Accountants, 20 Colquitt Street, Liverpool.

FOR Disposal, in West Riding of Yorkshire, old-established Chemist's and Druggist's Business, with Sub-Post Office attached; pleasant suburb; private house, entrance; incoming low for cash. Apply, "Pharmacist" (200/30), Office of this Paper.

GENUINE Business in London Suburb, making £280 net profit, for Sale as owner is going abroad; smart man could greatly extend; all cash; middle-class Retail and Prescribing; shop well fitted; good house; long lease; easily worked; £25 goodwill and valuation, or lump sum of £425. Apply, 199/22, Office of this Paper.

GOOD position capital city, Midlands; old-established Family, Dispensing, and Retail; returns £1,400, at good prices; double-fronted, well-fitted shop, 6 rooms over, £80; vendor retiring; price, one year's net profit as goodwill and valuation of stock and fixtures. "Vendor," 174 Victoria Street, S.W.

IN consequence of ill-health an exceptional opportunity offers of acquiring a good Dispensing, Retail, and own Proprietaries, latter alone showing a net profit of over £200, and increasing; situated in centre of charming old city; commanding position; large scope for increase; double-fronted, elegantly fitted; present returns nearly £1,000; commodious and well-arranged house on long lease. Apply, J. Guy, Boughton House, Chester.

PROFITABLE little established Branch, N. London, returning under unqualified manager nearly £700; nice, modernly fitted shop in plate glass and mahogany; attractive front; fair house, in good repair; low rental; quick small Drug sales; few Patents; situate in rising busy market; price, valuation of stock and £30 goodwill; fixtures may be rented, or will sell stock and fixtures valuation and no goodwill; satisfactory reasons for disposal. "Z. Z." (174/26); Office of this Paper.

RETIRING.—To be Sold, as a going concern, Wholesale Druggists' Sundries, etc., Business; suitable for two or more energetic young men with capital; splendid connection; an opportunity that does not often occur; can be extended indefinitely; price about £2,000. Apply, 198/13, Office of this Paper.

GOING abroad immediately owing to ill-health; to secure early sale first reasonable offer about £300 will be accepted for good Family Retail in central position good town near London, West; nice shop, lobby entrance, well fitted; good house, small garden; rent £55; Optical connection and some Extractions; returns £800, but lately neglected and fallen; plenty scope; can easily do £1,200. "Amicus," 36 Woodstock Avenue, Golder's Green, N.W.

£400 cash will secure a good-class South Coast improving Business, nearing about £350 net profit; in consequence of wishing to retire at once I am offering my business on most exceptional terms; willing to accept balance as arranged. "South" (199/1), Office of this Paper.

SALES BY AUCTION.

TO CHEMISTS, STORES, AND OTHERS.
Re HENRY MOON, LTD., in Voluntary Liquidation.
REMOVED FROM BRIGHTON.

MESSRS. FRYER, COOPER & CO. will SELL by AUCTION, at their Rooms, 3 Redcross Street, E.C., on THURSDAY, OCTOBER 24, 1912, at 1 o'clock, the Stock and Plant of a Manufacturing Chemist, comprising 10,000 Bottles and Decanters of British Wines, Lime-juice, Cloudy and Clear Lemon-squash, Glycerine in bulk, Vaseline and Liquorice, a large quantity of Essences by Stevenson & Howell, Bush, and other well-known makers, including Raspberry, Vanilla, Cloves, Ginger, Lemon, Orange, Port Wine, etc., 200 dozen Decanters in original crates, 250 Bottle-cases to hold 3 dozen bottles, Essential and other Oils, Drugs, Powders, Bottles, Corks, Labels, Capsules, Bottle washing Machine, 2 Capsuling Machines, Powder Mixer by Gardner, for hand or power, new 12-gallon Copper Percolater, Copper Measures, 6 Copper and other Pans, Boiling Plant, 2 20-gallon Copper Boilers, Runs of Piping, new Corking Machine, "Invicta," Funnels, Mortars and Utensils, together with the Office Furniture and Fittings, Remington Typewriter, Nests of Drawers, Show-cases, Sample Bags, Fireproof Safe, Crane, Truck, Syphon-bottle Filler, Four-way Tubes with Aluminium Automatic Stop Valve, Aluminium and Gun-metal Taps, 7 Pairs of Scales and Weights, Rubber-tyred Trolley, 6 28-gallon Stove Pans, 1 43-gallon ditto, 8 six-gallon Doulton Pans, 100 half to 4 gallon Jars.

On view day prior and morning of sale, and Catalogues may be had of the Auctioneers, 3 Redcross Street, E.C.

REMOVED FROM No. 146 EDGWARE ROAD, IN CONSEQUENCE OF THE EXPIRATION OF THE LEASE.

MESSRS. B. NORMAN & SON will SELL by AUCTION, at their Rooms, 71 & 73 Carter Lane, Ludgate Hill, on WEDNESDAY, OCTOBER 16, at 2 o'clock, the Shop Fittings of a Chemist, including a very handsome and well-made Dispensing Counter and Screen, Mahogany-top Counters with Show-case fronts, Counter and Wall Showcases, back fitting with Mirror Panels, Mahogany Nests of Drawers with Gilt Labels and Glass Handles, a very large quantity of Glass-labelled Stoppered Bottles, a pair Apothecaries' Scales, Tapped Window Bars, Brackets, and polished Plate-glass Shelves, Roll-top Desks, Office Chairs, Typewriters, Iron Safe, Carpets, Linoleum, Outside Lamps, and other items.

Catalogues of the Auctioneers, 62 St. Martin's-le-Grand and 71 & 73 Carter Lane, Ludgate Hill, E.C.

UNDER DEED OF ASSIGNMENT.
RADFORD.

MESSRS. HENRY SPENCE & SONS are instructed to SELL by AUCTION, on THURSDAY, OCTOBER 17, 1912, the whole of the

FIXTURES AND FITTINGS

and the remaining portion of a Chemist's Stock-in-trade, comprising long Mahogany Counter, 3 Mahogany Fittings of Chemist's small Drawers, Dispensing-screen, several Glass-top Counter Show-cases, handsome Fittings of Mahogany Glass-fronted Stock-cases, several lots of Shelving, a large number of Glass-stoppered Stock Bottles, Glass Specie-jars, and a large assortment of articles and stock appertaining to a Chemist's business.

Fuller particulars may be had of the Auctioneers, 20 The Square, Radford.

Sale to commence at 12 o'clock.

PARTNERSHIPS.

PARTNERSHIP wanted in high-class business (London) by young, well-educated, gentlemanly Pharmacist, with excellent West-End experience and of good business ability and integrity; highest references given; willing to act as Managing Assistant prior to arrangement if desired. Reply to "Serip" (201/23), Office of this Paper.

QUALIFIED Chemist required with £400; Partnership in three businesses; young and unmarried preferred. Reply, "Atbar" (201/32), Office of this Paper.

TENDERS.

CHEMIST'S BUSINESS.—To be SOLD by private tender, pursuant to an Order of His Lordship Mr. Justice Swinfen-Eady, made in the Matter of Congdon & Co., Ltd., 1912, C. 1865. All those the Lease, Fixtures, Fittings, Stock-in-Trade, and Goodwill of the businesses of Chemists and Druggists carried on by the said Congdon & Co., Ltd., at 14 Crown Road, Twickenham, and 269 West End Lane, West Hampstead. Tenders can be made for one or both businesses and are to be sent to Messrs. A. S. Potter & Co., 126 Maida Vale, London, W., not later than the 18th October, 1912.

Particulars and conditions of sale and forms of tender may be obtained of Messrs. A. S. Potter & Co., and of Messrs. Chas. Comins & Co., 50 Cannon Street, London, E.C.

TO LET.

LONDON, main thoroughfare, W.—Long-established Cash Drug Stores and Chemist's can be had without premium for goodwill; good shop, good house, electrically wired throughout; good position; lease will be granted at moderate rent to suitable applicant; exceptional circumstances. 203/35, Office of this Paper.

FULHAM (main road).—Chemist's and Druggist's, fine position, to Let; low rent, on lease; double-fronted shop; fine dwelling-house; could be let off as flats; fittings and fixtures, stock, etc., low price; view by appointment. Apply Richardson & Sons, Builders, 73 Avondale Road, Peckham.

A SPLENDID opening for a Chemist and Surgery occurs in a terrace of old-established main-road shops adjoining S.E. and C.R. main-line station, surrounded by a large and growing high-class neighbourhood; the landlord would arrange extremely desirable terms to a good tenant. Apply, 110 High Road, South Tottenham.

SHOP to Let.—House and Shop to Let in good position; fitted up for Chemist; rent £38; working neighbourhood; No. 278 Haydons Road, Wimbledon. Apply to T. Jones, 286 Upper Richmond Road, Putney, S.W.

SHOPS (handsome) to Let; Druggist, Draper, Boots, Grocer, Furnishing, Pork Butcher, Milliner, Ham Beef, China, Domestic Oil Colour Stores; rents £60, £100, £110, £125, and £150; largest 11 rooms. "L. R.," 8 San Remo Parade, Westcliff-on-Sea.

FOR SALE.

A SET of good-class Fixtures; or an Assistant would be placed in a new business with them if suitable man; qualified; capital not necessary. 203/37, Office of this Paper.

CHEMIST and Druggist's Stock and Fixtures to be Sold cheap; splendid bargain for young man starting; also set of Books for Minor, also Botanical Specimens and set Test Tubes. 197/24, Office of this Paper.

GOLDEN opportunity to energetic man to work up neglected Business; established 25 years; Mahogany modern fittings, bottles, jars, etc., complete, and stock valued about £130; will accept £50 for immediate sale; house 8 rooms, side and back entrances; nominal rent of £45 per annum; the premises will be put in repair; keys at No. 12 Melbourne Grove, East Dulwich, adjoining Railway Station. Apply, Martin & Co., Estate Agents, Grove Vale, East Dulwich, S.E.

SEED Trade.—Breaking up a branch I have a number of useful accessories, Measures, Display-cases, Pocket-tidies, small Seed Drawers, Pictorial Pockets, etc., to sell cheap. Write, 198/16, Office of this Paper.

SPLENDID Mahogany Shopfittings for Sale; Counter, Recessed Bottles, Dispensing-screen, Lockers, Recessed Labelled Drawers, etc.; offers wanted. Heaton, Chemist, Accrington.

APPRENTICESHIPS.

APPRENTICESHIP.—Chemist desires to Apprentice his son to a good business in or near Manchester, where, in addition to Counter and Dispensing work, he would acquire a good knowledge of Manufacturing Galenicals. Send full details to 75/420, Office of this Paper.

YOUTH (age 18) desires to serve Apprenticeship with Chemist; passed Preliminary exam.; good knowledge of Photography. 20376, Office of this Paper.

BUSINESSES WANTED.

GUARANTEED genuine buyer desires Retail giving sound living; one where scope for increase and no great cutting competition; London or near; cash ready for good bargain; unsuccessful answerers to similar advertisements requested to write. Particulars, class of trade, turnover, rent, net profit, price to "Dalmatian" (198/33), Office of this Paper.

PHARMACIST with £350 requires a good genuine Business; England or Wales; must bear every investigation. "Genuine" (197/38), Office of this Paper.

WANTED, a thoroughly genuine Business, which is open to every investigation, and where the net profit is not less than £300; no decayed or dirty establishments entertained. Full particulars to "Beta" (201/230), Office of this Paper.

WANTED, a genuine Cash Retail Business; net profits round £300-£500, with scope for increase; in good market town preferred, but not essential; Manager with view to succession or Managing Partnership in a larger concern entertained. Particulars, in confidence, please address "Worker" (200/8), Office of this Paper.

AGENCIES.

SOUTH AFRICA.—Experienced Representative, who visits the principal towns in the Union, is open to Represent another good firm on commission and part expenses as Sole Agent. 203/3, Office of this Paper.

AN established firm, with Travellers working the chief towns of the United Kingdom, and connections with both Wholesale and Retail buyers, is open for one or two additional Agencies. 203/4, Office of this Paper.

REPRESENTATIVE (qualified), of 13 years' experience, calling on Chemists, and who is sailing for Australia in November, would be glad to take up one or two good Agencies for the Wholesale Drug or allied trades. "Statim" (198/39), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of *6d.*

RETAIL.

A HUSTLER.

WRITING from Cork on October 8, an enthusiastic Chemist's Assistant (77/62) says:—

"It may interest those who advertise in the Supplement of the *C. & D.* to know that although the writer did not get your journal until 12.30 P.M., Saturday, October 5, he applied for four vacancies as an Assistant in England the same day, had three offers of berths from different parts on Tuesday, 8th, soon after 12 o'clock, wired off accepting one at 1.30, and was engaged at 4 o'clock. He leaves Cork this evening, and hopes to be at work Wednesday morning, 9th, and his half-day off at 1.30 on that day also, he will have time to study the geography of the place. Distance covered by land and sea about 385 miles."

ABERDEEN.—Junior Assistant required. State age, height, when disengaged, give particulars of experience and reference, Hunter, Chemist, 111 Union Street.

CLIFTON, Bristol.—Wanted immediately, a qualified Dispenser (indoors), age 22-23. Send full particulars of experience, age, height, and salary required, with photo, to Giles, Schacht & Co.

LINCOLNSHIRE Market Town. — Qualified Assistant wanted, elderly, accustomed to high-class Pharmacy and Agricultural business. 198/10, Office of this Paper.

LIVERPOOL.—Wanted, smart young qualified Assistant, about 23 or 24 years of age, to Manage Branch under principal. 197/23, Office of this Paper.

LONDON, S.W.—Required, a qualified Assistant, with good Dispensing experience; outdoors; age about 26 years. Usual particulars and salary required to Mr. Bourdas, Bradley & Bourdas, 6 Pont Street.

LONDON, W.—Junior wanted; outdoors; easy hours. Apply, by letter (or personally after 1 P.M.), giving full particulars, Crowe & Co., 31 Wardour Street, Coventry Street.

LONDON, W.—Required, a very smart up-to-date Assistant, about 27 or 30; must be an educated man, of good height, appearance, and address; keen, businesslike, and a first-class Counterman; qualification not essential if thoroughly competent. W. V. Wright, 25 Broadway, Hammersmith.

LONDON, N.W.—Unqualified Assistant wanted (outdoors), age about 25 years (only one kept), with good Dispensing and Counter experience in good-class Pharmacies. Personal application preferred, if by letter state full particulars, salary required, and enclose photo, T. F. Elton, 28 Endsleigh Gardens, Euston Square, N.W.

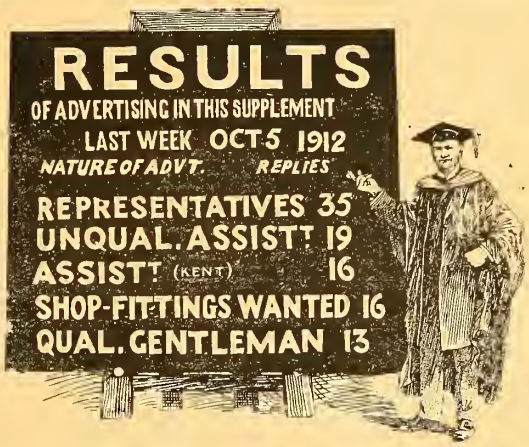
LONDON, W.C.—Manager, qualified; good West-End experience; smart, tall, gentlemanly, and active man; must be competent all round; one with Continental experience preferred. Apply personally, or by letter, including photo, to J. Cofman, 5 Bloomsbury Street, W.C.

LONDON, N.—Wanted, young qualified Assistant (indoors) for Dispensing business; comfortable quarters and reasonable hours. Full particulars to Saunders, 50 High Street, Highgate.

LONDON, N.—As early as possible, Assistant; indoors; salary £40 to £50, according to experience; hours 8.30 A.M. to 10 P.M.; half-day off weekly; alternate Sunday duty from 6 to 10 (evening only). Apply, stating experience, when disengaged, and giving names of references, "Chemist," 115A Stoke Newington Road, N.

LONDON, W.—Qualified Assistant, with Continental experience, speaking French, required. Apply, giving full particulars of age, experience, and salary required, to Mellin's Pharmacy, 48 Regent Street.

LONDON, S.W.—Unqualified Assistant; outdoors; knowledge of Photography and Optics essential; age about 25. Reference to "F. G." (77/70), Office of this Paper.



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

LONDON, N.W.—Competent, trustworthy Junior immediately, about 20, for small Drug Store; comfortable home; time off for reading. "W. D. S." (203/27), Office of this Paper.

MANCHESTER District.—Wanted at once, youth as Improver or Junior (outdoors) for Mixed business; half-holiday; no Sunday duty. State age, salary required, and references, Butcher & Simmons, 329 Chapel Street, Salford.

NOTTINGHAM.—Wanted, in three weeks, qualified Manager for Mixed trade in working-class district, 25 to 40; Extractor preferred, though not imperative; must be steady, temperate, and have undeniable references. Apply, giving full particulars of ability, age, height, single or married, salary required, to Southern, Chemist, 87 Wilford Road, Nottingham.

NOTTINGHAM.—Branch Manager; qualified; outdoors; Extractor preferred, but not essential. Give references to last two employers, and state age and full particulars, S. Cook, Pharmacist, 76 Radford Road, Nottingham.

NOTTINGHAM.—Unqualified for Country business near Nottingham; outdoors; no Sunday duty; send copies testimonials and photo if possible, state age and salary; every consideration shown to suitable man. 201/31, Office of this Paper.

OLDHAM.—Qualified Assistant for brisk Retail trade; must be quick and reliable, a good Salesman. State age, height, experience, references, and salary required, enclosing photo. 199/23, Office of this Paper.

TUNBRIDGE WELLS. — Manager for good-class modern Cash Pharmacy and Dispensing; good Counterman essential; unfurnished rooms provided. Apply, with full particulars of experience, age, height, salary, and enclose photo (returnable), H. S. Pearmund, 47 High Street, Tunbridge Wells

WEST-END Pharmacy. — Manager, qualified, with first-class knowledge of West-End requirements; judicious handling of Stock essential; effective Salesman. Apply, with all details as to experience, salary, etc., to 201/36, Office of this Paper.

WEST-END.—Qualified Assistant required, with first-class Dispensing experience. Apply, Mr. E. J. Jenkins, 24 Sloane Street, S.W.

A SMART Junior Assistant; one accustomed to Dispensing and good-class Retail. Apply, stating age, references, experience, and salary required, Hawker, Chemist, Bristol.

A SMART, energetic Assistant (outdoors), unmarried, for a good Country business; must be a good Dispenser; qualified not absolutely necessary. Give full particulars as to experience and salary required, photo if possible. "F.," c/o British Drug Houses, Graham Street, City Road, London.

ASSISTANT wanted; indoors; 3 kept. Apply, giving full particulars as to age, height, salary required, and enclosing photo if possible, to Gregory & Wrenn, Chemists, Taunton.

ASSISTANT; reliable; unqualified; age about 25; must have had good all-round experience; hours moderate; salary 30s. per week (outdoors). Apply, with full particulars of experience, age, height, and giving references, to Jones, Pharmacist, Swinton, near Rotherham.

ASSISTANT, about 21, wanted immediately for good-class Retail, Dispensing and Photographic; a knowledge of Developing is essential; a Junior entertained if well recommended. Please state full particulars of past experience and salary required (indoors) to Dunning, Chemist, Ventnor, I.W.

ASSISTANT wanted, for Counter, high-class Dispensing and Photographics, of good appearance and address; must have had sound Pharmaceutical training; indoors; one other Assistant kept; age 22 to 24. Apply, with full particulars, to Russell & Co., 7 High Street, Windsor.

ASSISTANT (outdoors), to make up Toilet and other preparations and assist generally in Retail; no Sunday duty. State age, height, references, salary required, and enclose photo, to W. T. Hicks, 294 Newport Road, Cardiff.

CAPABLE Junior, about 20, wanted early in November for good-class Dispensing, Photographic, and Optical business; must be neat, accurate, and obliging; outdoors; abstainer essential. Apply, stating experience, salary, enclosing photo, to Hobbs, Pharmaceutical Chemist and Optician, Penarth.

CHARLES COWLES, Pharmacist, Stratford, E., has a vacancy for Junior or Improver; outdoors; suit one just out of apprenticeship; good Classes near, and every facility given for attending same. Apply, giving usual particulars, to the Manager.

GOOD all-round Assistant (outdoors), age 25 to 30; active Counterman, good Window-dresser, accurate Dispenser; easy hours; no duty. Apply, with photo (which will be returned), stating salary required and all usual particulars, to Francis Hallam, Ltd. 22 High Street, Burton-on-Trent.

IMPROVER, 18 to 20; indoors; short hours; half-holiday; must be of good address. Give fullest particulars, with references and photo, to Thomas, Chemist, Faversham.

JOHN BARKER & CO., Kensington, W., require a Counter Assistant; hours 8 to 6, 1 o'clock Saturdays. Apply, R. E. Baron.

JUNIOR or Improver; outdoors; good-class Retail, Dispensing, and Photographic. Particulars, including age, height, experience, salary expected, when disengaged, references, and photo if possible, to Matthews (Cash Chemists), Broadway, Winchmore Hill.

JUNIOR or Improver wanted immediately; outdoors; easy hours, allowing time for study; must be well recommended. Full particulars of age, experience, and salary required, with photo if convenient, to H. R. Maynard, Horncastle, Lincs.

JUNIOR, unqualified (indoors), willing and energetic, for good-class Dispensing and Retail business, with some Photographic; in county town; one seeking a permanency preferred. Apply, stating age, experience, references, and salary required, to "Photography" (200/31), Office of this Paper.

JUNIOR or Improver wanted; salary 25s. (outdoors); opportunity of learning Optics and Photography; time for study. Apply, with references, photo, etc., Frank Edwards, 192 Cowbridge Road, Cardiff.

JUNIOR; London, N.; age, experience, when disengaged; good up-to-date business; splendid experience for young man. State salary required, 203/16, Office of this Paper.

LEWIS & BURROWS have a vacancy for a first-class Counterman for the West-End of London. Apply, enclosing full particulars and photograph, to 146 Holborn Bars, E.C.

MANAGER for Branch; qualified preferred, or good unqualified; competent, capable; used to Management; 30-40; steady and absolutely trustworthy; single man preferred (outdoors), or if married house and gas found. State usual particulars, in confidence, age, height, salary, references, etc., "Manager" (200/32), Office of this Paper.

MANAGER.—Smart, young Assistant, qualified, as Manager of Branch shop in Yorkshire; good prospects. 202/2, Office of this Paper.

MANAGER, with view to early succession; shop in good position on main road, London, S.W.; working-class neighbourhood; returns £500; rent £50; 6 rooms in house attached. Apply "Genuine" (202/34), Office of this Paper.

OUTDOOR Assistant for high-class business, with some Photography; must be reliable, of good address, and an abstainer; short hours and comfortable berth. Full particulars, photo, and salary required to "East Coast" (203/21), Office of this Paper.

QUALIFIED Assistant, single (outdoors), in good-class Dispensing and Retail. Apply, stating age, height, experience, references, salary required, and when disengaged, to W. A. Bell, The Strand, Southsea.

QUALIFIED Assistant, with good Dispensing experience, to assist in managing branch, by November 1. E. Courtenay, 2 Queen's Terrace, St. John's Wood, N.W.

QUALIFIED Assistant (23-26) required at end of October; outdoors. Personal application preferred, if by letter state full particulars and salary required, Blake, Sandford & Blake, 49 Dover Street, Piccadilly, W.

QUALIFIED Assistant, age about 30, for a good Dispensing and Retail business in a University town; must be a reliable Dispenser and thoroughly trustworthy; indoors; others kept. Apply, 196/35, Office of this Paper.

QUALIFIED Assistant wanted at once; time off whole day one week and half-day the next, alternately. Please state age, experience, references, salary, etc., in first letter, or apply personally, to Bishop & Vincent, 460 Holloway Road, London.

QUALIFIED Assistant required for Management of Chemist's and Druggist's business in large town, Lancashire, in consequence of illness of proprietor; arrangements might be made with a view to Partnership. Inquiries addressed to Mellors, Basden & Mellors, Chartered Accountants, Nottingham.

QUALIFIED Assistant for Mixed Country business; outdoors. State age, salary, and full particulars, with photo if possible, to Box 5, c/o Oldfield, Pattinson & Co., Manufacturing Chemists, Manchester.

REQUIRED immediately, for working-class business, smart Junior Assistant; outdoors; hours 8 A.M. to 8 P.M.; no Sunday duty. Craven, 18 Bridgehouses, Sheffield.

SMART Improver or Junior required at once for Light Retail and Photographic business; time for study if required. State full particulars, age, height, references, and salary required, to Lewis, Pharmacist, Hinckley Road, Leicester.

STUDYING Assistant wanted (Midlands); salary £20 (indoors); 5 mornings or 2 whole days per week for study; within reach of well-appointed School of Pharmacy; must be reliable and used to Mixed trade. State age, height, references, and send photo (returnable), 201/40, Office of this Paper.

WANTED, a Junior, with experience in a good-class business; outdoors; state salary required, with full particulars. Apply, D. Harries, 102 Queen Street, Cardiff.

WANTED immediately, Junior for Country business, with moderate experience of Counter and Dispensing; time arranged for study if desired. In reply state age, height, and salary required (which must be moderate), outdoors, and enclose photo, to W. H. Clement, Chemist, Radstock.

WANTED, a gentlemanly Junior Assistant (indoors), accustomed to good-class Dispensing. Particulars as to experience, salary required, and when disengaged, together with reference, to A. G. Kenderdine, Oakfield Road Pharmacy, Clifton, Bristol.

WANTED, an Assistant, about 23 to 25 (qualified), for Dispensing business. State age, height, salary (indoors), when disengaged, experience, if Dispensing and Photography, names of two last employers, and time with each, 197/37, Office of this Paper.

WANTED, Dispenser for Surgery, Lambeth; experience, but no qualification necessary; suitable for lady or gentleman; reply, stating salary required; hours 10 till 12.30 morning, evening 6.30 till 9; only Londoners need apply. 197/32, Office of this Paper.

WANTED, Assistant in good-class Dispensing and Retail. Full particulars of experience, references, age, and salary required (outdoors), and enclose photo, to Dring, Teignmouth.

WANTED, a Part-time Dispenser (lady), Wednesday and Saturday evenings, 5.30 till 9.30, and alternate Sundays 5.30 till 8; must be quick. Dr. Johnson, 46 Packington Street, Islington.

WANTED at once, a young, energetic, qualified Assistant for Drug Department; no Sunday duty; half-holiday weekly; one with a knowledge of Photographic work preferred, yet not absolutely essential. Apply personally, or by letter, to Drug Department, c/o Sydney Smith & Sons, Ltd., The Stores, Kirkdale, Sydenham.

YOUNG Lady (unqualified or Apothecaries' Hall) for Drug Stores in North London; previous knowledge of Retail not essential; good opportunity to learn. Apply, by letter, stating age previous experience, and salary required, to 44 Dalmeny Road, Tufnell Park, N.

WHOLESALE.

LONDON, S.W.—Warehouseman, aged about 25, with a knowledge of Patents and Sundries. Write, stating full particulars, to "Druggist" 864, Sell's Offices, Fleet Street, E.C.

EXPERIENCED Checker required for town Despatch Department of City Wholesale Drug house; only capable men who have done such work need apply. Give full particulars, state salary expected, 203/5, Office of this Paper.

IMPORTANT Company, manufacturing a Pharmaceutical Tonic, requires immediately a qualified Chemist as Medical Manager, to introduce the product in England; the appointment (liberal remuneration, common on sales, and travelling expenses paid) offers very good prospects to a competent man with a small capital as guarantee; the tonic, prepared by eminent doctors, has been most successfully established in France, where it is adopted and purchased by the French Government. Write to Mr. Pierre Courthial, 18 King's Arcade, Market Street, Bradford (Yorks).

REPRESENTATIVE wanted for special lines of Perfumery amongst Drapers for Christmas trade. Address fullest particulars of ground covered and salary required, etc., to 71/740, Office of this Paper.

REPRESENTATIVES required with connection among Chemists, Hairdressers, and others, to take up as a side-line Proprietary article already established; a few good men will be invited to take a financial interest, and early applicants will have exclusive rights to Represent us in their district. Apply, by letter, Dr. Allen, "En Yap," 75 Leadenhall Street, E.C.

REPRESENTATIVE required for a side-line on commission only; small samples. State fullest particulars of ground covered and experience to 71/74, Office of this Paper.

REQUIRED, by Manufacturers of Fine Chemicals, the services of a young and energetic Representative, to call upon Medical Men and Retail Chemists for the introduction and sale of new Pharmaceutical preparations; must have some knowledge of Therapeutics. Apply, with full particulars of past experience, stating age, remuneration required, etc., to 76/64, Office of this Paper.

TRAVELLERS who have connections and experience in selling best-class Toilet goods required for London, South Coast, and Scotland; gentlemen carrying non-competing lines preferred. "X. L." (202/30), Office of this Paper.

WANTED, Traveller, already calling on Agricultural and Country Chemists throughout Great Britain and Ireland, to take an extra good com.; known line; one with Cattle-medicine connection preferred. State full particulars to "Pushful" (75/57), Office of this Paper.

WANTED at once, experienced Grinder, with thorough knowledge of the Drug and Spice trade requirements. Apply, stating salary required, previous experience, etc., to Goodall, Backhouse & Co., White Horse Street, Leeds.

WANTED, at Stockton-on-Tees, energetic young man as Foreman in charge of 50 girls packing Dry and Bottled goods; experience in first-rate Packing Warehouse essential. State experience, age, salary required, 76/29, Office of this Paper.

WET Floor.—Competent hand, aged about 25, wanted by London Manufacturing firm. Write, stating full particulars of previous experience, wages required, etc., to "Spirit," c/o Deacons, Leadenhall Street, E.C.

WET Floor.—Competent Counter hand, aged about 23-24, wanted by London Export Druggists. Write, stating full particulars of previous experience, wages expected, and if disengaged, to 20/370, Office of this Paper.

SITUATIONS OPEN

(Colonial, Indian, and Foreign).

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of 6d.

ALEXANDRIA.—Qualified Assistant wanted in January, 1913; single; knowledge of French an advantage; salary commencing £15 per month, with good prospects; must have had good first-class experience and have done some Analytical work. Apply, with full particulars as to past experience, to The English Pharmacy, Rue Cherif Pasha, Alexandria.

CAPE TOWN. — Required urgently, a good qualified Junior Assistant; single; second-class passage paid out; salary £15 per month first year, £16 per month second year, £17 per month third year; sleeping accommodation provided; must be neat and accurate Dispenser. Apply, 39/51, Office of this Paper.

CAPE TOWN.—Qualified Assistant, single, under 30, gentlemanly appearance; total abstainer preferred; salary £20, £21, £22, first, second, third years; second-class passage paid. Apply, with photo and testimonials, to "R. L.," c/o Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

CEYLON.—Qualified Assistant (Minor) wanted for Ceylon; 23 to 25 years of age; single; good Salesman; pleasant address; Optics an advantage; 4 years' agreement; salary first year Rs. 225, second year Rs. 250, third year Rs. 275, and fourth year Rs. 300. Apply, giving full particulars, to 51/2, Office of this Paper.

INDIA.—Required, for Calcutta, qualified (Minor) Assistant, single, about 22; good character; 4 years' agreement; passage paid both ways. Apply, giving full particulars of experience, to 199/11, Office of this Paper.

JAPAN.—Qualified Junior Assistant, about 23 to 25; unmarried; good appearance and address; smart Salesman and general experience of trade; 4 or 5 years' agreement; salary commencing £120; advance of £15 yearly; free board and lodging; passage paid out and home; healthy climate; first-class English Chemists. Apply, Dakin Brothers, Ltd., 82 Middlesex Street, London.

NATAL.—Required immediately, qualified Assistant, age about 24 to 28; 3 years' agreement at £18, £19, and £20 per month; passage paid out, with £5 expenses *en route*; total abstainer; excellent references required. Apply, 37/15, Office of this Paper.

RHODESIA.—Wanted, for this healthy and rising Colony, a qualified Assistant, with a good knowledge of Optics; must be used to Sight-testing and Fitting Glasses; a knowledge of Photography an advantage; unmarried; under 30 years of age; passage paid out; 3 years' agreement; salary £20, £22 10*s*., £25 per month. Apply, by letter only, "L.," 14 Lafone Street, London, S.E.

ST. MORITZ (Switzerland).—Qualified English Chemist required for November 1 or 15; extra language and Continental experience an advantage; salary 300 francs per month; travelling allowance 120 francs. Full particulars in first letter to International Pharmacy.

SOUTH AFRICA.—Qualified Assistant, about 24; abstainer preferred; must have first-class Dispensing experience and a knowledge of Photography would be an advantage; three-year agreement to be signed; second-class passage paid out; salary first year £160 per annum, second year £180, third year £200, and free quarters provided. Apply, by letter, "C. C." (78/4), Office of this Paper.

SOUTH AFRICA.—Wanted, qualified Assistant, about 25 years of age; London experience; 3 years' agreement; passage paid. For further particulars apply to Durant, Radford & Co., Billiter Buildings, E.C.

TRANSVAAL.—Qualified Assistant; must be a good Dispenser and capable Counter hand. Apply, with full particulars as to age and experience, to "G. K." (51/600), Office of this Paper.

PHARMACIST, age about 24, English, preferably with some knowledge of Italian, wanted by English firm of Wholesale Chemists established in Italy; applicant should have a thorough business training and some experience of keeping a varied stock; must be a good organiser and accustomed to direct the work of a small staff. Apply, with full particulars, including salary required, to 76/18, Office of this Paper.

WANTED, as soon as possible, by a large American Manufacturing Pharmaceutical house, a thoroughly experienced and successful Salesman for the Far East; must be a Pharmacist, energetic, a business-getter, and one who has had successful experience in selling Pharmaceutical goods abroad; unless you have these qualifications no need of applying. Write, "F." (79/2) Office of this Paper.

WANTED, Straits Settlements, Assistant, qualified, about 23 to 26, with good knowledge of Photography and Optics and good all-round experience; 4 years' agreement; salary £245, advancing to £335; free rooms and medical attendance; passage paid out and home. Apply, with full particulars, to Dakin Brothers, Ltd., 82 Middlesex Street, Bishopsgate, London.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

NOTE.—Replies can be addressed to this office and forwarded to the Advertiser for an Additional charge of 6*d*.

[HOME.]

RETAIL.

ASSISTANT (29), 4 years' Continental experience, fluent French, desires situation for 2 months; Dispensing, Counter, or Locum; London preferred. Diplock, Hope Farm, Ightham, Kent.

ASSISTANT or Manager; competent; age 29; single; abstainer 13 years' Retail and Dispensing experience; 5 years last berth, 4 years previous; Photography; disengaged November 4. "Aurora," 23 Paget Road, Stamford Hill, N.

ASSISTANT; shortly disengaged; tall; experienced; good references; 30. "Abstainer," 85 Bristol Road, Bridgwater.

ASSISTANT. Part-time; 25; tall; good experience; Dispensing Counter; in or near London. Apply, "Salix," 49 Elizabeth Street, Pimlico, S.W.

ASSISTANT; 22; smart and capable, with good Dispensing Photographic, and Counter experience. "H. T. C.," 77 Marine Parade, Worthing.

ASSISTANT (20) requires situation Manchester district; good-class experience; whole or part time. 201/14, Office of this Paper.

ASSISTANT, disengaged, desires berth in London at once (outdoors); competent, reliable; good all-round experience, Counter, Dispensing; smart. "Statim," 60 Lancelot Road, Wembley, N.W.

ASSISTANT; competent; West-End and Suburban experience, Stores and Photography; good references; disengaged; outdoors. "Statim," 22 Kelmore Grove, East Dulwich, S.E.

ASSISTANT or Manager; wide experience; highest references; Dispensing business preferred. "Amidol" (203/20), Office of this Paper.

ASSISTANT; 23; good all-round experience, Dispensing, Photographic, and Counter. "Radium" (204/13), Office of this Paper.

BIRMINGHAM.—Manager or Senior; qualified; young; energetic; Photography, Optics; references; 7 years' experience; disengaged. A. N. Goldston, M.P.S., 23 Newby Terrace, Stockton-on-Tees.

BRISTOL or near.—Experienced all-round Assistant, with 10 years' Dispensing and Store, Counterman, Window-dressing, etc.; outdoors; disengaged October 31; will arrange personal interview. "Tetanus," Colnville, Kensington Hill, Bristol.

DISPENSER to Doctors; whole or part time; good experience. "H.," 116 Gaskarth Road, Balham.

DISPENSER to Doctor or Institution; whole or part time; qualified; good experience. 199/36, Office of this Paper.

DISPENSER; situation wanted in London; 12 years' experience in Doctor's surgery; bookkeeping, typewriting; age 30; excellent reference. Edwards, 52 Hasker Street, S.W.

DISPENSER, Hall (lady); shop and Hospital experience. "Cinchona," 55 Freehold Street, Hull.

DISPENSER, Locum, or Assistant; unqualified; moderate terms. "Ferrum," 94 Edward Street, New Cross.

DISPENSER (Male); Apothecaries' Hall; disengaged afternoons; excellent references. Apply, "Squire" (205/39), Office of this Paper.

JUNIOR (age 19), tall, requires situation in the Midlands. "L. H.," 47 Farfield, Kidderminster.

JUNIOR; unqualified; 25; 5 ft. 7½ in.; excellent references; permanency. Lloyd, c/o 17 High Street, Hemel Hempstead.

JUNIOR, tall, accurate Dispenser, requires London post. Barber, 7 Redcot Street, Kennington.

JUNIOR (20), 4 years' experience, desires situation; London and indoors preferred; excellent references. R. C. Snell, 196 St. Helen's Street, Ipswich.

JUNIOR Assistant (age 20), of smart appearance, requires situation, preferably in the North; 5 years' experience; Store trade preferred; total abstainer, non-smoker. 199/16, Office of this Paper.

JUNIOR; 4 years' experience; height 5 ft. 6 in.; age 22; London and country. State hours and salary, 203/9, Office of this Paper.

LADY Dispenser; Major; 25; accurate; good experience. "X. Y." (198/21), Office of this Paper.

LADY Dispenser (Hall) requires appointment with Doctor or Institution; good experience; typewriting, bookkeeping, and surgical dressings. Philipp, Stormarn, Lightwood Road, Buxton.

LADY Dispenser; Hall qualification; experienced; disengaged. "C.M.P.," 33 Bedford Road, Ilford.

LADY Dispenser (Hall); experienced, careful, reliable; bookkeeping. 2 Selwyn Road, Upton Manor, E.

LOCUM, Relief, Part-time; qualified; disengaged October 12. 24 Wandsworth Bridge Road, Fulham, S.W.

LOCUM, Manager, Relief; reliable, experienced; disengaged; highest references; well recommended; London or country. "Smilax," 288 Elgin Avenue, Maida Vale, W.

LOCUM-TENENS or permanency; experienced; disengaged October 14. Jones, 2 Glanmor Terrace, Llanelly.

LOCUM; town or country; wide experience; reliable references; terms moderate. Forster, 5 Coleridge Road, Finsbury Park, N.

LOCUM or permanency; 32; thoroughly competent; disengaged October 21. 34 Villiers Street, W.C.

LONDON.—Qualified; 23; tall; London experience; disengaged. Jones, "Gorddinog," Holyhead, North Wales.

M.P.S. (36), splendid experience and abilities, desires permanent Managership in good business. 197/25, Office of this Paper.

MANAGER; qualified; elderly; single; good references; moderate salary; disengaged. 200/19, Office of this Paper.

MANAGER, Assistant; Photo, Prescribing; good general experience; highly recommended by late employer; South Coast preferred; free. "Celeritas," 8 Queen's Road, Shirley, Southampton.

MANAGER, Senior; qualified; 36; just finished Locum. "Pharmacist," 7 Grantbridge Street, E.C.

NO Salary.—Qualified Swiss Chemist, speaking a little English, fluent French and German, now in England, requires position to acquire knowledge of English Pharmacy; understands Photography. "Mr. Rosanis" (68/7), Office of this Paper.

NOTTINGHAM or near.—Manager or Assistant; good Prescriber; thoroughly competent; long and varied experience; excellent references. "Formamine," c/o 57 Gordon Road, Nottingham.

PART-TIME; London; day or two weekly; experienced; 29 "Abstainer," c/o Davies, Chemist, Enfield Wash.

PART-TIME, evenings; excellent experience; 27; 5 ft. 9 in.; unqualified; Stock, Counter, and Dispensing. 202/40, Office of this Paper.

PHARMACIST; 31; married; good English and Continental experience; some capital; with or without view to succession. "London" (203/33), Office of this Paper.

QUALIFIED; Manager or Assistant; 40; Dispenser, Prescriber Photography; excellent references. Marsh, 19 Moscow Drive, Stoneycroft, Liverpool.

QUALIFIED; Manager or Assistant; good all-round experience; middle-aged; easy distance of Manchester. "Chemist," 23 Market Street, Hyde.

QUALIFIED; mature age; single; Manage. Assist; best experience; references; moderate salary. "P.," 19 Shrewsbury Road, Bayswater.

QUALIFIED, first-class Assistant, age 30, tall, abstainer, good address, desires engagement in City or West-End, with short hours; personal interview. Apply, J. H. Winter, 315 Brixton Road, S.W.

QUALIFIED; 30; West-End experience; good Dispenser; excellent references; outdoors; disengaged. "H. S.," 26 Coram Street, W.C.

QUALIFIED; relief or permanent; Dispensing or Managership good references. Arthur Taylor, "Mount," Crich, Matlock.

QUALIFIED; Scotchman; 29; first-class Counter and Dispensing experience; speaks French and German. Miller, 23 Oppidans Road, Chalk Farm, N.W.

QUALIFIED Manager, married (36), requires permanent position; 21 years' experience, Surgical, Retail, Wholesale; excellent references. Mason, 2 Star Hill, Rochester.

QUALIFIED Manager (27) desires engagement in good-class Store business; London and provincial experience, with Photographic and Optical. Smith, Holmeleigh, Sutton, Cambs.

QUALIFIED Manager; outdoors; London; experienced; disengaged shortly. 53 Southdean Gardens, Southfields, S.W.

QUALIFIED Manager; 35; 5 ft. 10 in.; 18 years' experience; Photography; married. Parkinson, 280 Franklin Road, King's Norton, Birmingham.

QUALIFIED, trustworthy Manager or Assistant; married (live on premises preferred); best references. Apply, "Vir," 3 Eltham Road, Lee Green.

QUALIFIED, single (27), energetic, not afraid of work, splendid experience, desires berth. Howell, c/o Howell, Pharmacist, Whitchurch Road, Cardiff.

QUALIFIED Locum disengaged next two weeks. "Chemist," 48 Coningham Road, Shepherd's Bush.

QUALIFIED; 25; tall; excellent experience, town and country. "Pharmacist," Kentmere, Park Avenue, Gillingham, Kent.

QUALIFIED; Dispensing and good-class experience; Assistant or Branch Manager; young; Yorkshire preferred. "Bradford" (202/3), Office of this Paper.

QUALIFIED Manager; competent, steady; married; 34; first-class London, provincial, and Seaside experience. 201/1, Office of this Paper.

QUALIFIED; Manager or Senior; outdoors; London or Suburb; experienced Dispenser, Extractor, Photography. Brimson, 60 Hindes Road, Harrow.

QUALIFIED; Branch Manager, Locum, Senior; 30; 14 years' high-class experience, West-End and provinces; disengaged; good references; abstainer. C. P. Tavener, 3 Essex Road, Stevenage.

QUALIFIED Manager; good Counterman and Prescriber; skilful Pharmacist; Photography, Optics; excellent references; abstainer; married. Everett, 18a Buer Road, Hurlingham, S.W.

QUALIFIED; 32; thoroughly experienced all branches; excellent references; disengaged shortly. "A. E.," 16 Windsor Road, Ealing.

QUALIFIED; 35; good experience; abstainer; reliable. "W.," High Street P.O., Barnes.

QUALIFIED Manager; Locum, permanency; thoroughly experienced; satisfactory references; disengaged. "Phenol," 238 Derinton Road, Tooting, S.W.

QUALIFIED; 29; disengaged; first-class experience. "Chemist," 10 Richmond Road, Shepherd's Bush, W.

UNQUALIFIED; experienced; 26; 5 years London Store; good-class Retail, Counter, Dispensing, Stock, Window-dressing; good appearance; disengaged. 203/30, Office of this Paper.

UNQUALIFIED; disengaged; Manager or otherwise; up to date; married; good Window-dresser and references. "H. B.," 43 Union Road, Borough, London, S.E.

UNQUALIFIED Assistant; excellent London and provincial experience; tall; disengaged; undeniable references. "Salol" (200/18), Office of this Paper.

UNQUALIFIED Assistant or Branch Manager; disengaged; single; country preferred, but not essential; steady, reliable; moderate salary; good references; Prescriber and Extractor; used to Mixed business. Please state full particulars in first letter, 199/25, Office of this Paper.

UNQUALIFIED; Drug Stores Manager or Assistant; all-round experience; age 38; last Store managed takings doubled 201/4, Office of this Paper.

UNQUALIFIED; Hall qualifications; age 47; single; energetic; clean and tidy; abstainer; good references; disengaged; permanency desired. "Active," 5a Union Wharf, Greenwich.

UNQUALIFIED Assistant (26), excellent Dispensing experience, references, seeks berth in London, with time for study. Williams, 5 Haven Green, Ealing.

UNQUALIFIED, experienced Assistant as Senior Counterman, Manager, or otherwise; thorough business training; absolutely reliable, capable of increasing business; no depreciation of stock tolerated; excellent references; expert Window-dresser and Photographic; modern high-class Store preferred; 32; married; West-End experience; London only, or Suburbs. "Chemist," Llwynwermod Farm, New Quay, Cardiganshire.

UNQUALIFIED Assistant; West-End experience; 32; married; as Senior or otherwise; used to entire charge; good references; experienced in Window-dressing and Photographic, also Dispensing. "Chemist," 8 Bassett Street, Kentish Town, London, N.W.

UNQUALIFIED; Locum or permanent; abstainer; disengaged; up-to-date all branches; married; 40. "Optical," 6 St. George's Road, Ramsgate.

UNQUALIFIED Assistant (24) desires permanent berth; Dispensing and Agricultural; good experience; active; outdoors; West or Midlands preferred. "E. A.," 44 Southend, Ledbury.

UNQUALIFIED Assistant; experienced; excellent references; Locum or permanency. Innes, 64 Dorchester Road, Weymouth.

UNQUALIFIED Assistant; tall, well educated, good appearance; high-class Dispensing, Photographic, and Light Retail; disengaged; outdoors. "Salol" (204/9), Office of this Paper.

YOUTH, just served apprenticeship (4 years), requires situation as Improver; tall, energetic, and willing worker; Manchester district preferred. 185/39, Office of this Paper.

WHOLESALE.

Trade circulars, samples, and printed matter can in no case be forwarded.

A POSITION is required where an Assistant can utilise his varied experience in high-class Retail and Store Counterwork, Homœopathic and Allopathic Dispensing, Photography; first-class knowledge of Surgical Sundries and Instruments; smart, ambitious; would act as Buyer or Traveller; first-rate knowledge of Wholesale Drug business and buyers' prices. Write, "Progress," 13 Denbigh Street, Victoria, S.W.

ADVERTISER, experienced Drug Grinding, Packing, and Dry Counter, seeks situation; excellent references. "Aloes" (203/2), Office of this Paper.

ADVERTISER, with long, sound experience in Manufacturing Chemist's, Travelling and Clerking, seeks position with good house; highest credentials; disengaged. 203/10, Office of this Paper.

ADVERTISEMENT Writer (I.C.S. training), Pharmacist, Optician, F.S.M.C., Fairchild Scholar, Photography and Therapeutics, desires Wholesale situation. Hall, 27 Winchester Road, Highams Park, N.E.

BUSINESS man requires position as Controller or Director where his ability would be suitably recognised; correspondence invited. "Trident," 3 Crouch Hill, N.

CHEMIST, A.I.C., B.Sc., requires position as Analyst in Wholesale Department of Manufacturing or Wholesale Chemist's; good experience in Drug Analysis. Apply, "A.I.C.," 14 Inglewood Road, Hampstead, London, N.W.

EXPERIENCED Traveller; qualified; London or country; single; well educated, tactful; good address; best credentials. "Bismuth" (205/14), Office of this Paper.

IRELAND. — Young man, with excellent connection amongst Chemists, travelling all Ireland, is open to take additional Agency; Drug house preferred; commission and part expenses. Reply, "Alert," 8 Mountain View, Ardoyne, Belfast.

PHARMACIST seeks appointment as Representative, etc.; 30; tall; abstainer; professional appearance; 15 years' experience, 10 in London Suburbs managing Stores; £5,000 turnover; proved salesman and organiser; had some previous experience. 203/18, Office of this Paper.

REPRESENTATIVE; 28; Drugs, Sundries, Specialities; 10 years' experience, Wholesale and Retail; disengaged October 19; Northern ground preferred. "Medico," 12 Elwy Street, Rhyl.

TRAVELLER, qualified, young, excellent experience as Medical, etc., interviewer, desiring change, wishes to Represent any high-class Wholesale Drug house in Edinburgh and East Scotland on salary, expenses, and commission; highest references. 202/37, Office of this Paper.

TRAVELLER; 4 years London and South; Drugs; disengaged; salary, expenses, and commission. 200/15, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for **12** words or less; **6d.** for every **10** words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

ADVERTISER, with perfect knowledge of Spanish, wishes Represent good house in South America; good practical experience; excellent references. 196/34, Office of this Paper.

QUALIFIED, best experience, Dispensing, Photographic, Veterinary, to Manage business in Africa; growing place up-country preferred; middle-aged, but fit and well: salary and commission; could invest little capital. "C. E. B." (197/34), Office of this Paper.

QUALIFIED (26), accustomed to high-class Pharmacy, seeks Continental post (some knowledge of French), or would consider Colonial. A. E. Mills, Ashton House, Bath.

QUALIFIED Chemist (25), tall, abstainer, University undergraduate 3 years' standing (with French), seeks Locum in English Pharmacy, Continent; excellent references; thoroughly reliable. 203/25, Office of this Paper.

SOUTH of France Season; qualified English Assistant; 25; high-class Dispensing and Counter experience. 200/23, Office of this Paper.

MISCELLANEOUS.

MOADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green.

SHARES FOR SALE (free of commission, subject).—30 Allenburys' "B" 6 per cent. Preference, 24*s.* 6*d.* c.d.; 100 Idris "A" 6 per cent. Preference, 4*s.* 6*d.*; 100 Lewis & Burrows Ordinary, 2*s.* 7½*d.*; £100 Meggeson 4 per cent. Debenture, 81½ x.d.; 50 W. J. Bush Preference, £3 18*s.* 9*d.*; 50 Brunner Mond Ordinary, £5 2*s.* 9*d.*; 100 Peek Frean Preference, 21*s.* 3*d.*; 100 Pears Ordinary, 37*s.* 6*d.* c.d.; 150 Bovril Deferred, 9*s.* 4½*d.*

WANTED (subject).—200 Wright Layman Preference, 20*s.* 6*d.* x.d.

List of Shares for *Sale* and *Wanted* sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London and County and Westminster.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

CHEMISTS' SHOPFITTINGS (second-hand).—Ranges Mahogany Drawers, Bevelled Edged, Glass Labels, Cut-glass Knobs, Shelving, Lockers; Mahogany Dispensing-screens; Glass-fronted Counters; Piano-fronted Wall-case, Mirror Centre; Bent Front Counter-cases; Desks; complete Shop-rounds, Window Backs, Glass Shelves, etc.; extensive stock; give-away prices; high-class Fittings, bang up to date; Estimates. D. MATTHEWS & SON, 14 & 16 Manchester Street, Liverpool.

CHEMISTS' Shopfittings.—Window Enclosures, Showcases, Silent Salesman, Dispensing Screens, Wall-cases, Perfume-cases, Glass-front Serving Counters, Drug Drawers, Counter Drawers, second-hand, shop soiled, at unbeaten prices; you can't do better; 30 years fitting Pharmacies. Send for free estimate, George Cook, The Working Shopfitter, 30 Buttesland Street, East Road (near Old Street Tube Station).

CHEMISTS' SHOPFITTINGS (second-hand).—Very large quantity of Wall Fittings, Show-cases, Dispensing Screens, Perfume-cases, etc., etc., to clear for cash; great bargains; call and view, or send sizes of what you require; these goods must be sold. PHILIP JOSEPHS, 93 Old Street, Goswell Road, London, E.C.

CHEMISTS' FITTINGS (bargains).—16-ft. Drugfitting, mirror Poison Cupboards, Cornice complete, £14 10*s.*; Mahogany Plate-glass Wall-case, 10 ft., £13 10*s.*; Mahogany Plate-glass 7-ft. Dispensing-screen, bevelled mirror centre, £5; Serving Counter, 12 ft., Glass Doors, Mahogany Top, £7 10*s.*; Nests of strong Counter Drawers, from 27*s.* 6*d.*; Mahogany and bent Plate-glass Counter-cases, 4 ft. 75*s.*, 5 ft. 87*s.* 6*d.*, 6 ft. 97*s.* 6*d.*; all goods as new. Send for sketches to H. Mills, Chemists' up-to-date Shopfitter, Shop Front Builder, Steam Works, 163-5 Old Street, E.C.

McQUEEN'S System of Accounts for Chemists; works out gross and net profits, balance sheet, and income-tax return with guaranteed certainty; a work well known and considered indispensable by progressive Chemists (Tenth and improved Edition). Full particulars and testimonials, post free, McQueen & Co., Moat Road, E. Leicester.

OPTICAL DIPLOMAS.

Experienced and successful coaching for the S.M.C. and B.O.A. Examinations by correspondence and personal tuition Success guaranteed in a few months by our method to students willing to work hard. Reasonable terms based partly on results. Apply Secretary,

DIOPTRIC ASSOCIATION, 25 & 26 Hart St., Holborn, W.C.

SOME DAY YOU WILL REALISE

How much I could help you to Increase your Retail or Mail Order Trade. I wonder when it will be. Nearly 950 Chemists have used my ideas and system, recently perfected by adding brainy members from the retail to my Brains Dept. To-day you are getting 12 men's ideas, formerly you got only mine. Booklet free, and other enclosures free too.

BERNARD SLACK, SLACK'S CHEMISTS' SYSTEM, LIMITED, Wolverhampton. Tel. No. 581.

START YOUR WINTER CAMPAIGN NOW.

Up-to-date schemes to increase sales of Cough Cures, Xmas. and Winter requisites, together with my new advertising campaign, are now ready. Send 1d. stamp for copy of Booklet explaining my System, and also samples of my new idea in advertising (on approval). All that I ask is you treat them confidentially. There is a supply waiting to be addressed to you. 90% of Pharmacists who have seen them are using them now. Pharmacists only supplied.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

IF YOU HAVE NOT JOINED

The CHEMISTS' FRIENDLY SOCIETY

What are you going to do with your first quarter's Insurance Card! Sign and post it now to your own Trade Society, and application form for admission will be sent by—

THE MANAGER, C.F.S., 194 St. Vincent Street, Glasgow.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No advertisement inserted for less than 6*d*.

FOR DISPOSAL.

BOOKS AND PERIODICALS.

WHAT offers 30 years' weekly numbers of "Chemist and Druggist," with yearly bound *Diary*? HOULDEN, Chemist, Leyland, Lancashire.

DENTAL.

WILKERSON pump chair, £14; cost £30; bargain. "DENTALIS" (200/14), Office of this Paper.

CHEAP chair, head-rest, spittoon, driving wheel, suit lathe, brass plate. PORTER, Rathmore, Cregagh Road, Belfast.

DRUGS AND CHEMICALS.

1-oz. original bottle finest virgin otto rose, 50*s*., cash with order; no exchange. PALMER, Thornbury, Glos.

PROPRIETARY ARTICLES.

P.O. for 7*s*. 6*d*. gets, carriage paid, 2½ doz. Salvator corn-plaster 7½*d*., 1 doz. Eucryl tooth-powder, 10/12 doz. Corn Flit, all in good condition. CORCORAN, Chemist, Talbot Street, Dublin.

SHOP FITTINGS.

TWO pear-shape carboys, 8 galls., cheap. PRUST, Chemist, Cardiff.

ADVERTISER wishes to dispose of handsome wall show-case and window-enclosure in mahogany; a bargain. REYNOLDS, 112 Crescent Road, Plumstead.

NATIONAL cash register for sale, almost new; cost £102; for four assistants; what offers? FRANK EDWARDS, 192 Cowbridge Road, Cardiff.

MISCELLANEOUS.

PATHEPHONE cost £8, records cost £4; accept £4; sent carriage paid. MATTHEWS, Hoppers Road, Winchmore Hill.

BOXES, postal, extra strong cardboard, measuring 9½ by 8 by 2½ in., about 2 gross at 12*s*. gross; special clearance line. Address, 75 Southgate Road, London, N.

WANTED.

WANTED, Mr. J. R. Eden at 14 St. Aldate's, Oxford; illness; urgent.

PILL-MACHINE and finisher wanted, to make 24 3-grain pills. Description and lowest price to 75/42, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

NATIONAL cash register wanted; total adder and printer; must be cheap. State full particulars to BLAKE, 6 Great Quebec Street, N.W.

ADVERTISER, who is opening a business, wishes to buy complete set of shop-rounds, ointment jars, scales, etc. REYNOLDS, 112 Crescent Road, Plumstead.

SECOND-HAND pestle and mortar (large), cachet machine, personal weighing machine, suppository mould, carboys, etc., for small pharmacy. 199/9, Office of this Paper.

SHOPS ACT, 1912.

THE Section 4 notice-card (size 14 in. by 11 in.) required by chemists who serve customers with medicines and medical and surgical appliances after 1 P.M. on early-closing days can be obtained from the offices of the *C. & D.*, 42 Cannon Street, London, E.C., for 3*s*. 6*d*. per dozen, or 8*d*. for two delivered free.

Athletics and Sport.

MR. F. RICHARDS, Assistant Secretary of the Coventry Pharmacists' Association, won the Bowling Handicap of the Banner House Club, Coventry, on October 7, beating Mr. G. Austin Jones, a dental practitioner, by a score of 21—18. Mr. Richards was in receipt of a start of four, and Mr. Jones received eight.

THE LONDON CHEMISTS' GOLFING SOCIETY played the Walthamstow Club at Chingford last week. In the singles the Chemists won five, lost six, three matches being halved. In the foursomes the Chemists won three and lost three, one match finishing "all square."—In the final for the "Thomson Cup," at Hendon last week, Mr. Gordon Beaton defeated his brother, Mr. E. Beaton. The "President's Cup" competition is now half through, and stands thus:

1st Round	2nd Round	3rd Round
Barnett	Barnett	Scott
D. T. Jones		
Scott	Scott	
Morrison		
Derrett	Derrett	Derrett
J Jones		
Sutherland	Presant	
Presant		
Barritt	Barritt	Barritt
E. Beaton		
Byes: Taylor	Main	Main
Byes: Deeth		
Byes: G. Beaton	Hepburn	G. Beaton
Byes: McArthur	Saunders	Saunders

2nd Round	3rd Round
Watson	Watson
Pinchen	
W. Duncan	Duncan
Longstaffe	
Brittain	Roe
Roe	
Bartlett	Bartlett
Boyes	
Byes: Marshall	Carmichael
Byes: Carmichael	
Byes: Dinwiddie	Dinwiddie
Byes: Logsdail	
Byes: Read	Trick
Byes: W. B. Trick	
Byes: Malcolm	Malcolm
Byes: Briggs	
Byes: P. Josephs	Josephs
Byes: Gray	
Byes: Bell	Allen
Byes: C. T. Allen	

TRADE-MARKS.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

The figures in parentheses refer to the classes in which the marks are desired.

(*From the "Trade-marks Journal," September 25, 1912.*)

"ULSANIN"; for all goods (3). By K. T. Kosch, Ulloi ut 39, Budapest. 344,912.

"KUDOS"; for medicinal chemicals (3). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 344,915.

"MONASTERY OIL" and portrait of the applicant; for a medicated oil (3). By G. French, 33 Fullers Hill, Great Yarmouth. 344,960.

"ASKIT"; for medicinal chemicals (3). By Miller & Co., 235 Ingram Street, Glasgow. 345,080.

"GONOTRIT"; for medicinal capsules (3). By Silberberg Bros., 79 Christian Street, London, E. 345,176.

Design of hook; for optical goods (8). By American Optical Co., 39 Hatton Garden, London, E.C. 343,326.

"NORMORAL"; for perfumery, etc. (48). By T. Russell, Clun House, Surrey Street, London, W.C. 344,967.

(*From the "Trade-marks Journal," October 2, 1912.*)

Label device including word "QUINQUINA," "EDOUARD DUBONNET & LABUSSIÈRE," monogram "E.D.L.," etc.; for a medicated wine (3). By E. Dubonnet et de Labussière, 63 Rue de Paris, Montreuil-sous-Bois, France. 342,415.

"SIBKA"; for medicated foods (3). By Squire & Sons, 413 Oxford Street, London, W. 343,700.

"VITUSENE"; for a medicine (3). By W. T. Coltman, 7 and 9 Sussex Street, Middlesbrough. 344,048.

"ANTIRHEUMATOIDS"; for a medicine (3). By A. P. & F. H. Ledsham, 67 Ridgway, Wimbledon, London, S.W. 344,542.

Label including facsimile signature "MANN J. VALENTINE"; for meat-juice (3 and 42). By Valentine's Meat Juice Co., 601-605 East Cary Street, Richmond, U.S.A. 344,464/5.

"KILEXA"; for medicated soap and skin-preparations (3), and for goods (48). By Elizabeth M. Pincham, 96 Boundary Road, South Hampstead, London, N.W. 344,986/7.

London Drug Statistics.

The following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of September, and to the stocks on September 30:

—	September		Stocks		1912	
	Landed	Delivd.	1912	1911	Imprtd.	Delivd
Aloes.....cs. etc.	52	146	1,015	1,405	1,084	1,351
,, ...gourds	666	—	1,464	1,092	666	294
Anise, star.....cs.	—	1	62	57	—	13
Arrowroot.....pkgs.	1,461	1,414	4,058	2,218	9,694	8 212
Balsams ... . cks.	14	9	103	186	95	291
Calumba.....pkgs.	140	226	2,764	985	2,619	1.177
Camphor..... ,,	973	1,027	1,653	2,603	7,147	7,473
Cardamoms ... ,,	271	300	742	1,319	2,217	2,279
Cascara sagrada tons	48	14	277	309	95	113
Cinchona.....pkgs.	300	389	3,874	4,107	4,221	4,383
Cochineal.....bgs.	9	28	154	195	195	385
Cubebs..... ,,	175	50	241	144	357	283
Dragon's-blood pkgs.	11	27	136	91	183	172
Galls..... ,,	392	396	2,782	2,401	3,733	2,889
Gums—						
Ammoniacum ,,	—	20	*†75	24	92	90
Animi..... ,,	84	61	424	481	890	782
Arabic ..... ,,	815	1,242	6,985	3,762	10,636	8,632
Asafetida..... ,,	84	203	*†1,376	1,083	1,946	1,303
Benzoin..... ,,	370	296	855	331	2,207	1,618
Copal..... ,,	3,689	3,683	14,343	27,103	27.861	37,508
Damar..... ,,	1,616	859	6,231	5.299	7,939	6,494
Gamboge..... ,,	27	18	74	164	80	143
Guaiacum..... ,,	—	2	30	30	27	35
Kauri.....tons net	213	171	424	424	1,210	1,100
Kino.....pkgs.	—	3	62	34	76	20
Mastich..... ,,	—	2	19	22	11	12
Myrrh, E.I. ... ,,	8	20	527	412	440	331
Olibanum..... ,,	107	48	1,615	767	1,456	479
Sandarac..... ,,	2	70	577	811	943	876
Tragacanth.... ,,	2,109	1,712	10,681	4,645	20,948	13,545
Ipecacuanha—						
Cartagena ... ,,	2	8	8	20	45	60
E.I. (Johore) ,,	—	—	9	33	39	64
Matto Grosso ,,	31	35	51	23	116	114
Minas..... ,,	27	10	35	16	68	72
Jalap ..... bls.	48	18	256	145	387	206
Nux vomica....pkgs.	357	15	528	146	1,072	626
Oils—						
*Anise, star.....cs.	10	15	20	30	56	38
*Cassia..... ,,	10	1	37	39	73	73
Castor..... pkgs.	166	161	182	155	904	984
Coconut.....tons	136	261	172	237	1,649	975
Olive.....pkgs.	928	671	2,292	1,667	6,312	5,563
Palm .....tons	12	20	77	31	212	168
Quinine.....lb.	7,187	3,133	252,522	214,112	78.621	48,462
Rhubarb.....cs.	9	24	343	302	423	376
Sarsaparilla.....bls.	75	94	245	274	691	670
Senna.....pkgs.	1,192	622	2,464	2,336	3.181	3,038
Shellac.....cs.	3,766	5,325	99,130	101,429	33,572	34,920
Turmeric.....tons	140	25	534	453	502	392
Wax—						
Bees'.....pkgs.	1,533	911	2,822	2,873	6,462	5,298
Vegetable ... ,,	180	90	608	646	684	623

* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.
† Corrected.

POISONING FATALITIES.

Ten deaths from poisoning have been reported since last week. Only one was due to misadventure.

Camphor Liniment, drunk accidentally, killed Mrs. Mary Murray (60), at Dublin.

Carbolic Acid.—Mary Susan Moule, the wife of an Exeter licensed victualler, and Wm. McClure (22), Army reservist, Belfast, committed suicide by taking this corrosive fluid.

Chlorodyne.—Thomas Thomas (49), formerly licensed victualler, Barnes, committed suicide by taking chlorodyne. Deceased had taken the contents of a 2-oz. phial.

Hydrochloric Acid.—At an inquest held at Cardiff on Thos. Jones (62), who committed suicide by taking hydrochloric acid, Dr. Samuel stated that deceased told him he had bought the poison at a chemist's shop in City Road, but he refused to give the name. The bottle was not labelled. The Coroner said this was a distinct violation of the Poisons Regulations. Inquiries had been made by the police as to where it was bought, without satisfactory results. Whoever sold the poison ought to be proceeded against.—Sidney Hatch (44), general dealer, Cippenham, took spirit of salt with suicidal intent. At the inquest, Dr. R. E. B. Wilmot said: "Spirit of salt was nitric acid, but deceased was not burnt about the mouth as one would expect. This might be accounted for by the fact that the spirit of salt had ben kept some time."—Ann Wickett (31) used the same lethal agent at Birmingham.

Oxalic-acid poisoning caused the suicidal death of Mrs. Alice Ann Horrobin (48), Bolton.

Weed-killer.—Helen Finlayson (23), West Linton, poisoned herself with weed-killer.

Kind not Stated.—Henry Thwaites, chemical engineer, Peterborough, was found dead from poisoning at the top of a ladder leading to a chimney-shaft at a local brick-works.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Tuesday, October 15.

Glasgow and West of Scotland Chemists' Association. Whist-drive and dance.

Wednesday, October 16.

Royal Microscopical Society, King's College, Strand, London, W.C., at 8 P.M. Conversazione.

Chemists' and Druggists' Society of Ireland, 11 Waring Street, Belfast. Reception by the President and Mrs. Frackelton.

Testimonial to Colonel T. Davies Sewell, De Keyser's Royal Hotel, Blackfriars Bridge, London, E.C., at 4.30 P.M. Professor Silvanus P. Thompson will make the presentation. Mr. Joseph H. Raphael will preside.

Leeds Chemists' Association, Great Northern Hotel, at 7.30 P.M. Smoking-concert, to which all pharmacists and their friends are invited.

Nottingham Pharmaceutical Association, Victoria Station Hotel, at 9 P.M. Social meeting.

Thursday, October 17.

Chemical Society, Large Theatre, Burlington House, London W., at 8.30 P.M. Becquerel Memorial Lecture by Sir Oliver Lodge, F.R.S. Admission by ticket only.

Institute of Ophthalmic Opticians, Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Dr. Wm. Ettles on "Myopia."

Brighton Association of Pharmacy, Camera Club, Castle Square, at 9 P.M. Election of officers and consideration of the position of chemists under the National Insurance Act.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 9 P.M. Mr. Herbert A. Mills, F.C.S., lantern-lecture on "Colour Photography."

North London Pharmacists' Association, Northampton House, St. Paul's Road, Highbury Station, N., at 3.30 P.M. Dr. W. Lauzon Brown on "Tuberculosis Dispensaries at Home and Abroad."

Bournemouth Pharmaceutical Association.—The annual dinner will be held in the Gervis Hall Restaurant on October 30. Tickets (5*s.* each) from Mr. W. A. Bingham, Hon. Secretary, 58 Charminster Road.

Society of Chemical Industry.—An informal dinner will take place at the Criterion Restaurant, London, on October 23, when the medal of the Society will be presented to Sir Wm. Crookes, O.M., F.R.S., by Dr. Rudolph Messel, F.R.S., who will preside.

Nottingham Pharmaceutical Association.—The annual dinner will be held at the Victoria Station Hotel on October 24, when Mr. Edmund White, Vice-President of the Pharmaceutical Society, will be present. Tickets (4*s.* 6*d.* each) from the Hon. Secretaries, Mr. Thos. Freeman, 57 Mansfield Road, and Mr. E. E. H. Turton, 2 Chapel Bar.

French Olive Oil.—The culture of olives has lately undergone a great revival in the South of France (says a Marseilles consular report), due largely to the fall in the prices of wine and to a rise in the price of olive oil, which now makes it more profitable to cultivate olive-trees than vines. Olive-growers' associations have been started in many villages with a view to initiating the peasants into the most up-to-date methods of cultivation, and teaching them how to fight successfully against disease. These associations have been very successful, and the French Government encourage them by voting prizes to the best growers.

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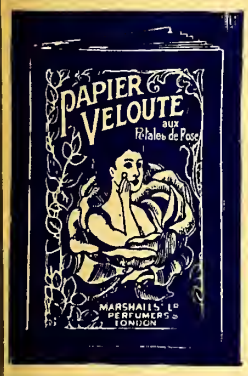

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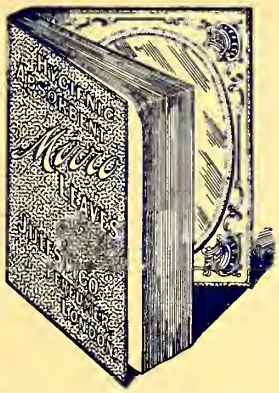

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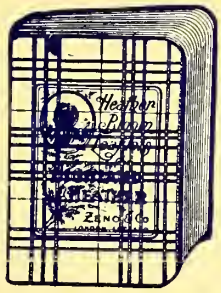

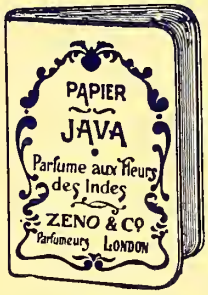

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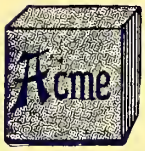

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